

Lancaster Farming

VOL. 27 No. 10

Lancaster Farming, Saturday, January 2, 1982

\$7.50 per year

HAPPY NEW YEAR

Here comes '82

LITITZ — Here comes 1982 - time to ring out the old and welcome the new! It's always hard to say goodbye to another year, yet we all delight in the opportunity to begin anew in all our endeavors and to stand at the threshold of a new year with blessings we so bountifully reaped in the now departed year.

Lancaster Farming would like to wish you and your family a prosperous new year - full of love, health, and an abundant harvest both in the field and in friendship - with this first issue of the new year.

But before you begin your celebration of the new year, how about a quick trip through Lancaster Farming's memory lane? Along the way you will see a new state dairy princess, a \$65,000 Holstein, a new FFA chapter, and much, much more - all beginning on page B16.

Let's not reminisce too long, however, because next week is our 1982 Farm Show issue - guaranteed to be the best ever.

You may want to carry Lancaster Farming to the Show with you as it will provide you with a list of exhibitors, a two-page map showing where everyone is located on the new exhibit floor plan, and a day-by-day schedule of events including all last minute changes.

You will also find biographies of the FFA Keystone Farmer award winners and special events you will see at the show. So travel with us to the Farm Show and welcome the new year with thousands of other farming friends. See you at the Show!

Contact us at Box 366, Lititz, PA 17543; or phone 717/326-3347, if you have something to contribute to next week's Farm Show issue.



Lancaster Farming welcomes 3 new correspondents

LITITZ — During the past several months, you've been seeing different by-lines above news stories and features in Lancaster Farming. As the new year begins, we'd like to take the time to introduce you to our three new correspondents — welcome additions to our editorial staff.

The most recent addition to the writing and reporting crew is Adams County's Ginger Secrist Myers who replaced former correspondent M. H. Gitt. Ginger is a familiar face to most Guernsey breeders, having worked with the association until she and her husband John Myers took up full-time dairying in November 1980.

Covering all the action in Bedford, Blair and Huntingdon counties is Patty Gross. She is the first correspondent Lancaster Farming has enlisted in bringing news of western Pennsylvania to our readers. Also from a dairy background, Patty uses her reporting experience in both radio and newspapers.

And, taking care of business in Cumberland, Franklin and Perry counties is lively Beth Hemminger whose farm experience has been gleaned from spare time spent on

her grandparents' farm near Newville.

Although Ginger and John are farming in Adams County, Ginger is a native of Franklin County.



Patty Gross



Ginger Secrist Myers

"My interest in agriculture and dairying in particular was carried on through family connections even though my parents left farming when I was quite young," Ginger recalls.

Over the years, Ginger was active in the county's 4-H program and exhibited cattle at the district, state and national levels. In 1971 she was high individual at the State Days 4-H Competition which earned her a position on Pennsylvania's state team. She and her fellow judging team members traveled to Columbus, Ohio for the National 4-H Dairy Cattle Judging Contest that year.

After high school, Ginger attended Penn State and graduated in 1975 with high honors. Even though her Bachelor of Science degree was in Health and Physical Education, Ginger managed to squeeze in a number of agricultural courses.

When she wasn't studying, Ginger was an active member of

the Penn State Dairy Science Club and Campus 4-H. She served as editor of the 'Dairyman' and, while participating on the Dairy Cattle Judging team, won the Clyde N. Hall award. Another honor she captured was being named All-Around Champion of the 1973 Dairy Exposition. Just this past spring, Ginger returned to Penn State to serve as the fitting judge for the Dairy Expo. She is currently serving on the Board of Directors for the Penn State Dairymen's Club.

After graduation, Ginger worked at Wilson College in Chambersburg while maintaining a small herd of heifers and leasing out her cows. In 1979 she was employed by the Pennsylvania Guernsey Breeders' Association as a field representative, a position she held full-time until her marriage to John.

Now John and Ginger have a (Turn to Page A34)

Pa. legislators work on 'Cruelty to Animals' bill

BY SHEILA MILLER

HARRISBURG — With all the rhetoric that's been floating around about animal rights and welfare, it was only a matter of time until Pennsylvania legislators decided to jump on the bandwagon. On November 16, 1981 Senator George Gekas (R-15th) introduced the state's Cruelty to Animal Bill, S.B. 1208.

This legislation, which was co-sponsored by Senators Edward Howard (R-10th), Robert Jubelirer (R-30th), James Rhoades (D-29th), William Moore (R-33rd), and Edward Zemprelli (D-45th), was passed by the Senate Judiciary Committee on December 9, 1981 and is presently on the Senate

Calendar on second consideration, according to a spokesperson for Sen. Gekas. "The bill will probably be voted on when the legislators come back in session, sometime in January," she said.

S.B. 1208 covers a multitude of "sins" concerning cruelty to animals, some which are already dealt with in existing laws. Its thirteen pages spell out what acts committed by humans against animals would be considered civil offenses.

The first area governs "killing, maiming, or poisoning domestic animals or zoo animals." The legislation spells out that "a person commits a misdemeanor of the second degree if he willfully

and maliciously kills, maims or disfigures any domestic or zoo animal or domestic fowl, or willfully and maliciously administers poison to any such animal or fowl, or exposes any poisonous substance, with intent that the same shall be taken or swallowed by animals, fowl or birds." However, it explains that this does not apply to the killing of animals found in the act of destroying any domestic animal or domestic fowl or to poisoning rodents or pests to control damages.

What does the legislation mean when it refers to "domestic animal" and "domestic fowl." This terminology encompasses

any dogs, cats, horses, mules, donkeys, burros, cattle, sheep, goats, and swine, along with any birds raised for food, hobby or sport.

S.B. 1208 calls for regulating selling, offering for sale, bartering, or giving away baby chickens, ducklings, or other fowl under one-month old as pets, toys, premiums, novelties, or to be colored, dyed, or stained. Rabbits, too, come under regulation in this legislation, and cannot be sold or given away, etc., under the age of two months.

The bill points out that this regulation on chick and rabbit sales should not be interpreted to (Turn to Page A34)

Home and Youth

Homestead Notes, B2; Home on the Range, B6; Kid's Korner, B10; 4-H news, B10; FFA news, B10; 1981 Remembered, B16; Rose Parade float, B27.

Columns

Editorials, A10; Now is the time, A10; Farm Talk, A22; Joyce Bupp's column, B14; Ladies, have you heard? B5; Ida's Notebook, B15; Farming's Futures, C13; Brockett's Ag Advice, C14; Chicken Coop News, C4.

Dairy

Bradford DHIA, C9; Lebanon DHIA, C8; Dauphin DHIA, C7; Fayette DHIA, C4.

Livestock market and auction news

Lancaster Market

Monday, December 28
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	1047	132	1361	125
Last Mon.	658	159	1351	152
Last Year	937	141	1508	215

	1070	131	1350	125
Monday's Auction	696	138	1211	178
Last Monday's Auction	696	138	1211	178

CATTLE: Slaughter steers steady to 1.00 lower than last Monday's late sales; slaughter heifers mostly steady; cows 1.00-2.00 lower, with Utility and Commercial as much as 4.00 lower; bullocks fully steady; bulls 1.00-2.00 higher. Supply included 60% slaughter steers, 10% heifers, 17% cows, and 13% bulls.

SLAUGHTER STEERS: Good and Choice 1-2 1100-1325 lb. 61.50-63.00; Choice 2-4 1050-1350 lb. 58.00-60.50, few 60.50-61.50; high Good and low Choice 2-3 975-1250 lb. 56.00-59.00, one lot 1325 lb. 54.00; Good 2-3 53.50-57.50; Good and Choice 1100-1450 lb. Holsteins 50.75-52.75, couple 53.00-53.85; Standard 1-2 49.00-51.00.

SLAUGHTER HEIFERS: Choice 2-3 925-1150 lb. 56.75-59.75, few yield grade 2 60.00-61.75; Good 2-3 850-1050 lb. 51.75-56.75.

COWS: Utility and Commercial 1-3 39.00-42.00, few 42.00-45.00; Commercial 3-4 36.50-37.50; Cutter 1-2 36.00-39.00, few 39.00-39.75; Canner and low Cutter 34.00-36.00.

BULLOCKS: Choice 1050-1350 lb. 60.00-63.50, few 63.75-66.50; Good 1000-1250 lb. 56.50-60.00, few 52.00-56.00.

BULLS: Yield grade 1 1300-1900 lb. 53.50-56.50, few 58.50-59.85, four head 61.75-66.25; yield grade 2 1000-1450 lb. 50.00-53.50.

VEAL CALVES: Vealers fully steady. Demand good for Holstein bulls to return to farm.

VEALERS: Choice and Prime special fed 260-330 lb. 114.00-119.00, few 120.00-123.00; Choice 200-250 lb. 88.00-100.00, few 100.00-107.00, high Good and low Choice 115-155 lb. 55.00-70.00, 80-110 lb. 40.00-50.00.

RETURNED TO FARM: Bulk 85-115 lb. Holstein bulls 75.00-90.00, few 90.00-93.00.

SHEEP: Woolled lambs mostly steady.

WOOLED LAMBS: Choice 75-105 lb. 57.50-59.00, few 60.00-61.00; Good 60-95 lb. 50.00-55.00, few 45.00-50.00.

Vintage Livestock

Tuesday, December 29

Report supplied by USDA

	Cattle	Calves	Sheep
Today	1263	939	13
Last Tuesday	931	866	12
Last Year	879	924	32

CATTLE: Compared to last Tuesday slaughter steers 50-1.00 lower, with Good to low Choice 1.00 to fully 2.00 lower; slaughter heifers 1.00-2.00 lower; cows 1.00-2.00 lower, instances 3.00 lower on Utility and Commercial; bulls and bullocks not comparable. Supply included 49% steers of which about 185 head sold to return to feedlots, and 45% cows.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1200-1375 lb. 61.75-62.85; Good and Choice 1-2 1100-1425 lb. 62.00-63.75, four head 64.00-65.25; Choice 2-4 1050-1500 lb. 58.75-60.50, few 60.50-61.75; high Good and low Choice 1050-1325 lb. 55.50-59.50; Good 2-3 53.00-58.00; Good and Choice 1050-1450 lb. Holsteins 50.50-53.75; few Standard 1-2 48.00-51.00.

SLAUGHTER HEIFERS: Choice 2-3 850-1125 lb. 55.00-60.10; Good 2-3 825-1025 lb. 52.00-54.74.

COWS: Utility and Commercial 1-3 37.00-39.75, several 39.75-40.50, couple 41.00-43.00; Cutter 1-2 36.00-39.00, few 39.00-39.75; Canner and low Cutter 33.00-36.00.

BULLOCKS: Few Good 1050-1275 lb. 51.50-54.75.

BULLS: Yield grade 1 1400-1950 lb. 51.00-53.75, couple 56.00-57.50; yield grade 2 1000-1450 lb. 49.00-51.50.

FEEDERS: About 160 head Good to low Choice slaughter cattle 1000-1125 lb. sold to return to feedlots at 53.00-55.50, few 52.00-53.00.

VEAL CALVES: Compared to last Tuesday Choice and Prime vealers 10.00-12.00 higher; high Good and low Choice 160-250 lb. 5.00-10.00 higher, 70-115 lb. mostly steady. Supply included 686 in

graded sale of which 75% sold to return to farm.

VEALERS: Couple Prime 270-350 lb. 110.00-115.00; Choice 160-300 lb. 97.00-109.00 - few 110.00-114.00; high Good and low Choice 160-250 lb. 80.00-100.00, 120-160 lb. 60.00-80.00, 80-115 lb. 40.00-55.00, few 65-80 lb. 30.00-42.00.

RETURNED TO FARM: 70 head 90-115 lb. Holstein heifers 118.00-125.00, one lot 80-85 lb. 93.00, 25 head small frame 90-105 lb. 107.00-117.00; 270 head 100-125 lb. Holstein bulls 77.00-86.00, 45 head 90-95 lb. 54.00-55.00 and 100 head 100-115 lb. small frame 55.00-58.00.

SHEEP: Insufficient volume for a market test.

Westminster Livestock Auction

Westminster, Md.

Tuesday, Dec. 22

Report supplied by auction

BUTCHER COWS: \$2.00 higher! High Yield 41.00-43.50; Standard & Utility 38.00-41.00; Cannors 36.50-38.00; Shelly 37.00 Down. Bulls One good 1240 lbs. at 49.00; Steers Low Choice 900-1000 lbs. 58.00-59.00; Good 55.25; Heifers Few Commercial 41.00-44.00.

BUTCHER HOGS: Good demand for Heavy Weights. US #1&2 215-240 lbs. 41.75-42.00; 240-260 lbs. one lot to 39.75; 270-345 lbs. 38.00-44.00. Sows Few 400-500 lbs. 32.00-36.25; Boars 275-350 lbs. 27.50-29.00.

VEAL CALVES: \$2 to \$4 lower. Good 75.00-84.00; Stocky & Thin 40.00-50.00; Killers 80-100 lbs. 47.00-54.00; Weak & Rough 47.00 Down.

CALVES RETURNED TO FARM: \$15 to \$20 lower. Holstein Heifers Few 90-120 lbs. to 66.00; Holstein Bulls 95-125 lbs. 60.00-86.00; Mainly 65.00-75.00.

STOCK CATTLE: Light run. Steers few Good 500-700 lbs. 45.00-52.00; Heifers One Holstein 250 lbs. to 75.00; Bulls Holsteins 300-400 lbs. 37.00-47.50.

PIGS AND SHOATS: By the Head 15-30 lbs. 7.00-14.00; 40-50 lbs. 24.00-32.00; By the Lb. one lot 42 lbs. at 71.00; one lot 60 lbs. at 51.00; one lot 139 lbs. at 36.50.

MARKET NOTICE

The normal market and auction coverage of Lancaster Farming has been curtailed by this week's early publication deadline.

Leesport Auction

Leesport, Pa.

Wednesday, Dec. 23

Report supplied by PDA

CATTLE 175. Supply included 32 head feeder cattle. Compared with last week's market, slaughter steers uneven, mostly steady to strong. Slaughter cows Utility and Commercial 75 cents-\$2 lower, Canner & Cutter about steady. Few Choice 1000-1350 lbs. slaughter steers 58.25-60.25, Good 56.75-59.25, Standard 49.10-53, few Utility and Low Standard 43.60-48.25. Few Choice slaughter heifers 53.75-58.75. Utility and Commercial slaughter cows 39.75-42.75, Cutters 37-41.85, Canner & Low Cutters 33.75-37.85, Shells down to 26.25. Individual Choice slaughter bullock at 59.00, few Standard 53.85-55. Few Yield Grade #1, 1275-1845 lbs. slaughter bulls 52.75-59.25, few #2, 920-1250 lbs. 48.25-52.25. Few Large & Medium Frame #1, 430-530 lbs. feeder steers 55.00-59, few Large #2, 435-520 lbs. 50.00-51, few 670-900 lbs. 40.00-44. Few Large & Medium Frame #1, 345-520 lbs. feeder bulls 40.00-44.

CALVES 141. Vealers grading Standard and Good \$2-\$5 lower. Individual Prime vealer at 108.00, few Choice 95.00-101, Good 70.00-89, Standard & Good 110-130 lbs. 62.00-79, 90-110 lbs. 50.00-55, 70-85 lbs. 40.00-50, Utility 55-100 lbs. 30.00-40. Farm Calves: Hol. Bulls 90-130 lbs. 70-97.50, few down to 55.00.

HOGS 239. Barrows and gilts 75 cents-\$1.75 higher. US No. 1-2 2-235 lbs. barrows and gilts 43.75-45.25, No. 1-3 2-285 lbs. 42.50-44.10, few No. 2-3 240-300 lbs. 40.35-41, lot No. 1-3 180 lbs. at 39.00. Sows \$1-\$2 higher. US No. 1-3 340-500 lbs. sows 34-37.25, individual at 38.50. Boars 30.00-32.00.

FEEDER PIGS 218. US No. 1-3 35-50 lbs. feeder pigs 63.00-74 Cwt., lot 79, few No. 1-3 55-75 lbs. 51.00-57, No. 1-3 90-105 lbs. 47.00-50, few Utility 30-35 lbs. 59.00-60, 50-65 lbs. 43.00-47 per hundredweight.

SHEEP 56. Choice 75-105 lbs. woolled slaughter lambs 52-54.50; New Crop Lambs 30-45 lbs. 92.50-160, mostly 100.00-110; 50-60 lbs. 67-

82.50, few 60-70 lbs. 58.00-62. Slaughter ewes 24-28.50. GOATS 5. Few \$39-51.00 per head, one at 71.00.

Lebanon Valley Market

Tuesday, December 22

Report supplied by PDA

CATTLE 145. Compared with last Tuesday's market, slaughter cows \$2-\$3 higher. Few Choice slaughter steers 59-60.85, few Good 57.25-59, one 61.85, few Standard 52.10-56.25, few Utility 38.50-44.35. Individual Good slaughter heifer at 57.00, few Standard 48.25-54.10, few Utility and Low Standard 45.25-47.75. Utility & Commercial slaughter cows 40.25-43, few 45.35, Cutters 37.75-40.50, few 42.85, Canner & Low Cutters 34-37.85, few down to 32.50, Shells down to 26.00. Few Standard slaughter bullocks 51-55.50, few Utility 44.25-50.75. Individual Yield Grade #1, 1475 lbs. slaughter bull at 54.00.

CALVES 250. Vealers grading Standard and Good unevenly steady. Few Choice-vealers 85.00-96, few Good 65.00-82, Standard and Good 90-115 lbs. 55.00-64, 65-90 lbs. 50.00-55, few Utility 50-80 lbs. 40.00-50. Farm Calves: Hol. Bulls 80-120 lbs. 55.00-96, mostly 76.00-91; Hol. Heifers 85-140 lbs. 104.00-127. Few Beef cross bulls and heifers 65-80 lbs. 80.00-104.

HOGS 176. Barrows and gilts 25 cents higher. US No. 1-2 220-240 lbs. barrows and gilts 42.50-43.25, No. 1-3 215-265 lbs. 42-42.85. US No. 1-3 240-515 lbs. sows 33.00-37, few 38, No. 2-3 265-525 lbs. 30.00-34. Few Boars 25.00-31.25.

FEEDER PIGS 37. US No. 1-3 25-45 lbs. feeder pigs 56.00-64 per hundredweight, few No. 1-3 45-65 lbs. 38.00-42 Cwt.

SHEEP 15. Few Choice 70-135 lbs. woolled slaughter lambs 65.00-70, few Good 45-100 lbs. 50.00-59, one 44.00. Few Slaughter sheep 23.00-26.00.

GOATS 3. \$36-46 per head.



LANCASTER STOCKYARDS WEEKLY SALES

SLAUGHTER SALES — MON. & WED. 10:00 A.M.
VEALERS, LAMBS, HOGS — MON. & WED. 11:00 A.M.
HOG AUCTION — SATURDAY 9:30 A.M.
STOCKER & FEEDER — FRIDAY 11:00 A.M.

HOLIDAY SCHEDULE

Lancaster Stockyards will be closed New Years Day. Livestock arriving at the Yards will be fed and watered as usual.

NEXT FEEDER PIG SALE - JAN. 5

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MONDAY'S AUCTION

8 00 A M - Fat Hogs
10 00 A M - Horse Sale
11 00 A M Hay, Straw & Ear Corn
1 30 P M - Fat Steers Bulls Cows & Veal

WEDNESDAY'S AUCTION

12 00 Noon Dairy Sale
1 30 P M - Feeder Pig Sale

THURSDAY'S AUCTION

11 00 A M - Beef Sale
Order of Sale, Bulls, Fat Steers, Cows, Veal
3 30 P M - Calf Sale

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at 1:30 P.M. starting
with feeder cattle
and pigs.
Also Hay Sale
every Tuesday at
12:30.

Hog Markets

Westminster Feeder Pigs

Friday, Dec. 18

Report supplied by auction

730 Pigs: Compared to the November sale, prices were mostly \$5.00 to \$10.00 per hundred lower with lease decline in 40-50 lb. pigs. All pigs weighed on arrival and sold by the pound.

1&2 53 head 22-29 lbs. \$81.-91; 1 67 head 38 lbs. 91.-93; 1&2 22 head 33-38 lbs. 74.-86; 1&2 142 head 40-49 lbs. 82.-88; 1&2 26 head 40-48 lbs. 92.-95; 1&2 143 head 52-58 lbs. 72.-80; 1&2 111 head 62-69 lbs. 67.-73; 1&2 55 head 70-76 lbs. 60.-64; 1&2 19 head 83-87 lbs. 56.-57; 2&3 8 head (Early sales) 20-34 lbs. 51.-72; 2&3 67 head 41-50 lbs. 70.-76; 2&3 12 head (Early sales) 60-71 lbs. 46.-59.

Lancaster Hogs

Lancaster Stockyards

Report supplied by USDA

Monday, Dec. 28

HOGS: Compared to last Wednesday barrows and gilts 50-1.00 lower.

BARROWS AND GILTS: US 1-2 200-245 lbs. 43.50-44.00; US 1 205-250 lbs. 44.25-45.00; Few Selected 45.50-46.50; US 1-3 220-260 lbs. 43.00-43.50. SOWS: US 1-3 350-450 lbs. 36.00-38.00; 450-650 lbs. 37.00-38.50, few 38.50-39.25.

New Holland Hogs

Monday, Dec. 28

Report supplied by USDA

Today 1758

Last Monday 1478

Last Year 1633

TREND: Compared to last Monday barrows and gilts firm to 25 higher.

BARROWS AND GILTS: US 1-2 200-245 lbs. 44.00-44.50; US 1 210-255 lbs. 45.75-46.50; Few US 1-3 240-280 lbs. 43.50-44.00.

Carlisle Auction

Carlisle, Pa.

Tuesday, Dec. 22

Report supplied by auction

CATTLE: STEERS: Good 48.00-53.00. HEIFERS: Standard 38.00-44.85. COWS: Utility & Commercial 39.60-43.75; Cutter 36.25-40.00; Canner & Low Cutter 33.50-36.25. BULLS: Yield Grade No. 1 47.00-51.75.

FEEDER STEERS: 50.00-62.00.

CATTLE HEIFERS: 38.50-50.00.

BULLS: 46.00-53.00.

CALVES: VEALERS: Choice 70.00-91.00; Good 60.00-80.00; Standard & Good 55.00-70.00; Standard & Good 50.00-60.00.

HOGS: Barrows & Gilts US No. 1-2 40.50-43.00; US No. 1-3 38.75-41.00; US No. 2-3 32.50-37.00. SOWS: US No. 1-3 36.50-38.50; No. 2-3 30.50-36.00.

FEEDER PIGS: US No. 1-17.00-24.00; No. 1-3 26.00-31.00.

Central U.S. Carlot

Monday, Dec. 28

Report supplied by USDA

Compared to Thursday's 11:15 report: Choice 3 steer and heifer beef 1.00 lower, few Choice 4 steady to 1.00 lower. Good 2.00-3.00 lower. Demand and trading light to moderate. Supplies moderate. The boxed beef carcass cutout value advanced \$.27 to an estimated \$99.19 per cwt. Sales reported on 39 loads of steer and heifer beef.

STEER BEEF

21 Loads

FOB Omaha Basis

Choice 3: 600-900 lbs. 94.00 1.00 lower.

Choice 4: 600-900 lbs. 83.00-84.00, 1d west 85.50, steady-1.00 lower.

Choice 5: 600-900 lbs. 78.00.

Good 2-3: 600-900 lbs. 89.00-90.00, 2.00-3.00 lower.

HEIFER BEEF

18 Loads

FOB Omaha Basis

Choice 3: 550-700 lbs. 92.00 1.00 lower.

Choice 3: 500-550 lbs. 88.00.

Choice 3: 400-500 lbs. 86.00.

Choice 4: 500-700 lbs. 83.00-84.00, steady-1.00 lower.

Choice 5: 500-700 lbs. 78.00.

Good 2-3: 550-700 lbs. 88.00-89.00, late 88.00, 2.00 lower.

Cow beef firm to 1.00 higher. Demand and trading light to moderate, supplies light.

COW BEEF

7 Loads

FOB Amarillo Basis

Brkg Utility 3-4: 450/up lbs. 70.50 (West).

Brkg Utility 3-4: 450/up lbs. 67.00-67.50 (Midwest).

Bng Utility 1-2: 400/up lbs. 72.00-74.00 (Midwest).

Cnr & Cutter 1-2: 350/up lbs. 80.00 (Midwest).

PRIMAL BEEF CUTS

1 Load

FOB Omaha Basis

HINDS (H): 120-170 lbs. 102.00.

BONELESS PROCESSING BEEF/BEEF TRIMMINGS

4 Loads

FOB Omaha Basis

50% chem lean fresh 45.00.

Compared to Thursday's 11:15 report: Fresh pork loins 14-17 lbs.

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Hog Dept. 626-8653

Lancaster Farming, Saturday, January 2, 1982—A3

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter — Wednesday, Dec. 29

Report supplied by USDA

Estimated Daily Livestock Slaughter

Under Federal Inspection

CATTLE	CALVES	HOGS	SHEEP
This Week 256,000	22,000	694,000	47,000
Last Week 247,000	23,000	684,000	48,000
Last Year 235,000	19,000	703,000	44,000

Market courtesy of USDA.

Chicago Grain Futures

(Closing Bids as of Tuesday Dec. 29)

	Corn	Wheat	Soybeans	Soybean Meal
Jan.	—	—	6.15	183.50
Mar.	2.71	3.91	—	186.10
May	2.81½	3.99¾	6.43¾	189.20
July	2.87	4.03¾	6.57½	—

Trend - Corn is lower, Wheat is lower, Soybeans are lower, Soybean Meal is higher.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Futures Trading

(Closing Bids as of Tuesday, Dec. 29)

Chicago Chicago New York
Cattle Hogs Maine
Potatoes

Feb.	55.67	43.27	—
Apr.	55.55	42.90	8.03
June	56.75	—	—
July	—	46.87	—

Trend - Cattle are lower, Hogs are lower. Potatoes are higher.

Market Provided

by Commodity Department
Dean Witter Reynolds, Inc.

50.00; Sheep 10.00-22.50; Hogs, 200-250 lbs. 40.00-45.50; Sows 36.00-40.00; Boars 28.00-30.50; Pigs 12.00-16.50; Heifers 39.00-47.50; Steers medium 44.00-49.25; Steers, feeder 42.00-53.00; Bulls 39.00-49.75; Cows, utility 41.00-44.00; Cows, fat 38.00-42.00; Cows, medium 34.00-37.00; Cows, poor or small 29.00-33.00; Horses to 580.00; Ponies to 62.50; Goats 15.00-60.00.

East Coast Carlot

Monday, Dec. 28

Report supplied by USDA

Compared to Tuesday's close: Prime special fed veal not fully established. Good and Choice boning veal poorly tested, few sales near steady.

VEAL CARCASS

Prime (Special Fed)

HIDE-ON

180-240 lbs. few 162.00.

BONING TYPE

HIDE-ON

Good & Choice

Northeastern Suppliers: 65-75 lbs. few 78.00, all near steady; 55-64 lbs. few 76.00; 45-54 lbs. few 74.00; 35-44 lbs. few 72.00; 34 lbs. down few 70.00.

Inshipped: No sales reported.

The Bottom Line

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Our Regular Hog Sale Will Be Held Sat., Jan. 2

NEXT FEEDER PIG SALE

Tuesday, January 5, at 1:00 PM

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Poultry Markets

Weekly New York Egg Market

	December 28 & 29	
	Mon.	Tues.
WHITE		
Jumbo	79	79
Ex Large	77	77
Large	76	76
Mediums	72	72
Pullets	60	60
BROWN		
Jumbo	97	97
Ex Large	91	91
Large	89	89
Mediums	Unquoted	
Pullets	Unquoted	
Peewees	Unquoted	
Off Grade		
Large	68	68
Checks	38	38

Tone: Buying interest improved. Supplies ample. Market steadier.
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N. E. Weekly Shell Egg Report

Tuesday, Dec. 29

Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	92-100	90-98	85-93	60-68
Mostly	94-98	92-96	87-91	62-66
N. HAMP.	87-93	85-91	80-86	55-61
Mostly	89-92	87-90	82-85	57-60
R.I.	96-97	94-95	89-90	64-65
VERMONT	94-103	92-100	87-96	—
Mostly	96-97	94-95	89-91	—
MAINE	92-94	90-92	85-87	60-62

X Includes Central and Western Sections only.

Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, Dec. 29

Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .90-1.02 per lb.

MUSCOVY DUCKS, HENS: range .80-.92 per lb.

PEKING DUCKS: range .62-.78 per lb.

PULLETS: 6-8 lbs. range .48-.56 per lb.

RED FOWL: 4-5 lbs. range .18-.30 per lb.

RED FOWL: 5-6 lbs. range .28-.34 per lb.

CROSSBRED FOWL: 5-9 lbs. range .30-.38 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .40-.64 per lb.

CROSSBRED ROOSTERS: 7-11 lbs. range .30-.52 per lb.

GUINEA FOWL: range 1.05-1.35 ea.

BANTY ROOSTERS: range 1.00-2.50 ea.

BANTY HENS: range .35-.85 ea.

GEESE: 8-10 lbs. range .30-.50 per lb.

GEESE: 11-16 lbs. range .62-.92 per lb.

TURKEYS: 25-34 lbs. range .25-.32 per lb.

PIGEONS: range .75-1.20 ea.

WHITE PIGEONS: range 2.00-2.60 ea.

CAPONS: 11-13 lbs. range .80-.86 per lb.

RABBITS: 4-6 lbs. range .20-.50 per lb.

RABBITS: 7-11 lbs. range .10-.36 per lb.

GUINNEA PIGS: range .25-1.00 ea.

GOATS: range 50.00-70.00 ea.

KID GOATS: range 40.00-57.50 ea.

TOTAL AMOUNT COUPS: 818.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight Per Case	Dec. 29 Tuesday
Class 1 - Large	48 lbs.	59½
Class 2 - Large	45 lbs.	57
Class 3 - Medium	42 lbs.	54
Class 4 - Small	39 lbs.	46
Breaking Stock	48 lbs.	44
Checks	48 lbs.	39

Baltimore Eggs

Tuesday, Dec. 29

Report supplied by USDA

Cartoned Eggs: Prices to retailers, state graded (min one case sale) white.

Grade A Large 76-81

Grade A Medium 72-74

Philadelphia Eggs

Tuesday, Dec. 29

Report supplied by USDA

Prices to Retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large 76-78; A Large 75-77; A Medium 70-72.

Delmarva Poultry

Tuesday, Dec. 29

Report supplied by USDA

Today's L.T.L. asking prices fairly steady on U.S. Grade A at 42-46 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 12/29 1718; Actual 12/23 1602; Actual 12/18 1668;

Average Weights 12/28 4.23; 12/21 4.11.

Belleville Auction

Wednesday, December 23

Report supplied by PDA

CATTLE 85. Compared with last week's market, slaughter cows steady to \$1 higher. Few Standard slaughter steers 50-56.50. Utility and Commercial slaughter cows 39-43.50. Cutters 36.50-40, few Canner and Low Cutters 33.75-36. Shells down to 31. Individual Yield Grade #1, 1520 lbs. slaughter bull at 47.60. Few Large Frame #2, 325-500 lbs. feeder steers 43.00-46.

CALVES 132. Few Good vealers 70.00-84, Standard and Good 70-100 lbs. 51.00-61, few Utility 50-80 lbs. 40.00-50. Farm Calves: Hol. Bulls 85-130 lbs. 58.00-103.

HOGS 206. Barrows and gilts 25 cents-75 cents higher. US No. 1-2 210-235 lbs. barrows and gilts 42.75-43.85, No. 1-3 220-260 lbs. 41.10-42.50, few lots No. 2-3 395-435 lbs. 38.75-39.50. US No. 1-3 350-630 lbs. sows 32.50-37.75.

FEEDER PIGS 265. US No. 1-3 20-35 lbs. feeder pigs 20.50-24 per head, No. 1-3 40-60 lbs. 27.00-35 per head.

SHEEP 3. Holstein Dairy Cows \$750-\$1350 per head, one \$1750.

New York Multiple Drop Broiler Report

Tuesday, Dec. 29

Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A 40-43½; Premium (X) U.S. Grade A 44-46.

WTD. AVG.: U.S. Grade A 42.90; Premium (X) 45.77.

(X) Includes special services, selected competitive brands, etc.

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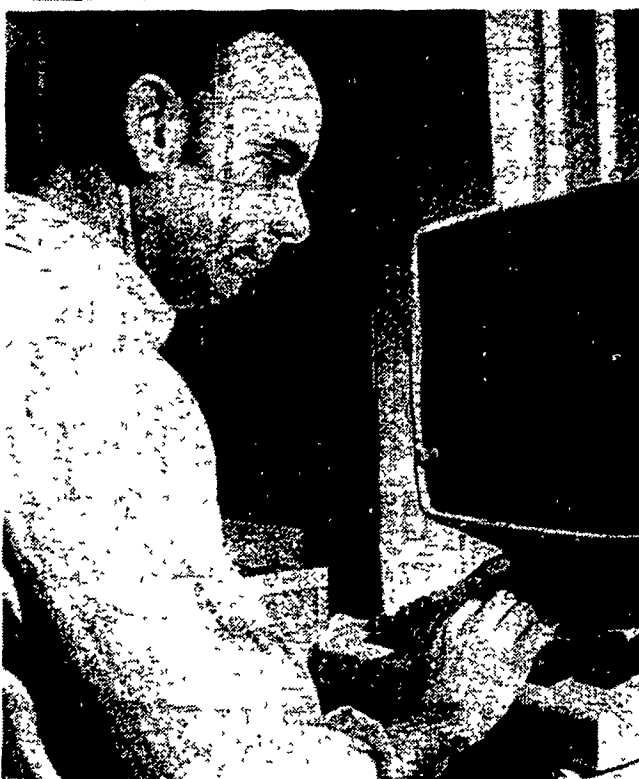
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Hay Markets

Regional Hay

Thursday, Dec. 24

Report supplied by PDA

(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)

Hay and Straw unevenly steady.

Alfalfa 95.00-110, few 120, few down to 80; Mixed hay 75.00-85, few down to 65.00; Timothy hay 70.00-80.00; Straw 40.00-50.00; Mulch 40.00-45.00.

Good's Hay

Leola, Pa.

Wednesday, Dec. 23

Report supplied by PDA

72 Loads Hay and 15 Loads Straw.

Alfalfa 104.00-151.00; Mixed hay 74.00-154, bulk 95.00-130; Timothy hay 87.00-128.00; Grass, individual 91.00; Straw 53.00-70, few 90.00; Ear Corn, 7 loads 68.00-83.00; Corn Fodder, 2 loads 57.00 & 68.00; Oats, 1 load @ 2.40 per bu.

New Holland Hay

Monday, Dec. 28

Report supplied by auction

189 loads; market steady on all grades of hay and straw.

#1 Alfalfa 125.00-157.00, fair quality 100.00-125.00, few moldy or rain-damaged 80.00-100.00; #1 Mixed 110.00-140.00, fair 100.00-110.00; #1 Timothy 110.00-125.00, fair 95.00-110.00, two Stubble Hay 82.00 & 86.00; two Clover 107.00 & 133.00; few loads of poor quality in all types down to 62.00; Straw clean and bright 65.00-81.00, off-color 50.00-60.00; Ear Corn 81.00-94.00; Fodder 36.00-58.00; Firewood 45.00-55.00 pickup load, one bigger load 105.00.

Pa. Grain

Monday, Dec. 28

Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central Pa.: Corn steady to 2 cents higher; Wheat strong to 5 cents higher; Barley unevenly steady; Oats mostly steady to strong; New Ear Corn steady, spots to \$3 higher.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.60-2.85, few reported 2.45, average 2.68; Wheat No. 2 range 3.25-3.75, average 3.50; Barley No. 3 range 2.00-2.30, average 2.20; Oats No. 2 range 1.95-2.20, average 2.08; Soybeans No. 1 range 5.57-5.88, average 5.75; Grain Sorghum No. 2 range 2.10, average 2.10; New Ear Corn range 60.00-75.00, average 67.85.

Central Pa.

Corn No. 2-y range 2.45-2.70, average 2.58; Wheat No. 2 range 3.15-3.70, few reported 3.95, average 3.49; Barley No. 3 range 2.00-2.25, average 2.14; Oats No. 2 range 1.60-2.00, average 1.88; Soybeans No. 1 few reported range 5.50, average 5.50; Grain Sorghum No. 2 range 2.20-2.70, average 2.38; Buckwheat range 9.00-10.00, average 9.50; New Ear Corn range 54.00-72.00, average 63.33.

South Central Pa.

Corn No. 2-y range 2.45-2.60, average 2.54; Wheat No. 2 range 3.10-3.40, few reported 3.75, average 3.35; Barley No. 3 range 2.00-2.20, few reported 2.60, average 2.23; Oat No. 2 range 1.90-2.10, average 1.98; New Ear Corn range 55.00-70.00, average 62.00-63.00.

Western Pa.

Corn No. 2-y range 2.35-2.70, average 2.51; Wheat No. 2 range 3.00-3.15, average 3.07; Barley No. 3 range 2.15-2.20, average 2.18; Oats No. 2 range 1.85-2.00, average 1.93; Buckwheat range 8.50, average 8.50.

Southeastern, Central & South Central Summary

Corn No. 2-y range 2.45-2.85, average 2.62; Wheat No. 2 range 3.10-3.75, average 3.47; Barley No. 3 range 2.00-2.25, average 2.19; Oats No. 2 range 1.60-2.20, average 1.97; New Ear Corn range 54.00-75.00, average 65.10.

Livestock market and auction news

Frederick Co. Hay

Buckeystown, Md.

Thursday, Dec. 24

Report supplied by auction

Three loads Alfalfa 82.00-150.00; three Mixed 64.00-112.00; five Timothy 88.00-120.00; one Timothy-Alfalfa 97.00; four Alfalfa-Orchardgrass 62.00-139.00; four Straw 40.00-46.00; one green Firewood \$60 cord.

Regular sale will be held Thursday, Dec. 31.

G&M Livestock

Monday, Dec. 14

Duncansville, Pa.

Report supplied by auction

Compared to last week, market report steers-higher, cows-sharply higher, hogs-higher.

STEERS: High Choice and Prime 59.00-61.50; Good to Choice 54.00-59.00; Standard to Good 50.00-54.00; Utility 46.00-50.00.

HEIFERS: High Choice and Prime 56.00-60.10; Good to Choice 50.00-56.00; Standard 44.00-50.00; Utility 38.00-44.00.

FEEDERSTEERS: Good to Choice 300-500 lbs. 48.00-56.00.

BULLS: 1200-1706 lbs. 52.00-59.75; 900-1200 lbs. 48.00-55.00.

COWS: High Choice Prime 46.00-48.75; Good 44.00-46.00; Utility 42.00-44.00; Cutters 38.00-42.00; Cannors Down to 35.00.

CALVES: High 90.00-96.00; Good to Choice 70.00-90.00; Standard to Good 50.00-70.00; Utility 40.00-50.00.

FARM CALVES: Hol. Bulls 80.00-98.00.

HOGS: 200-240 lbs. 42.50-45.75; 190-290 lbs. 40.00-42.50.

SOVS: 37.00-42.50.

BOARS: 30.00-37.75.

LAMBS: 38.00-49.00.

Belknap Auction

Dayton, Pa.

Wednesday, Dec. 23

Report supplied by PDA

CATTLE 39. Compared with last week's market, slaughter cows mostly \$4 higher. Utility and Commercial slaughter cows 39.50-43, Cutters 37.50-39.50, Canner and Low Cutters 32.75-37.50. Few Medium Frame #1, 765-885 lbs. feeder steers 43.50-45.50. Few Medium Frame #1, 340-380 lbs. feeder heifers 34.00-39.

CALVES 76. Individual Good vealer at 80.00, Standard and Good 90-120 lbs. 45.00-65; 65-85 lbs. 35.00-49, few Utility 40-90 lbs. 20.00-32. Farm Calves: Hol. Bulls 100-130 lbs. 55.00-87; few Hol. Heifers 100-105 lbs. 73.00-76.

HOGS 94. Barrows and gilts strong to 50 cents higher. US No. 1-2 215-230 lbs. barrows and gilts 42.25-42.50, No. 1-3 195-255 lbs. 40-41.50, few No. 1-3 180-190 lbs. 35.00-38, few 120-155 lbs. 33.50-34. Sows about steady. US No. 1-3 240-525 lbs. sows 36.00-42. Individual Boar at 30.00.

FEEDER PIGS 40. Few US No. 1-3 20-30 lbs. feeder pigs 11.00-15.00 per head, few No. 1-3 35-45 lbs. 26.00-27, few No. 1-3 60-90 lbs. 29.00-31 per head.

SHEEP 1. Not enough of any one grade to establish a market.

Middleburg Auction

Middleburg, Pa.

Tuesday, Dec. 22

Report supplied by PDA

CATTLE 149. Compared with last week's market, slaughter cows \$2-\$3 higher. Few Choice 2-4, 1120-1340 lbs. slaughter steers 59-63.35, Good 55-58.50, few Standard 50.25-56.85. Few Good slaughter heifers 54.00-55. Utility & Commercial slaughter cows 38.50-42.50, couple 43.60, Cutters 36.75-39.50.

Canner & Low Cutters (few) 34.25-36. Couple Good slaughter bullocks 54.25 & 56. Few Yield Grade #1, 1200-1800 lbs. slaughter bulls 44.25-52.75. Large Frame #2, 330-750 lbs. feeder steers 40-47.50.

CALVES 150. Vealers about steady. Few Choice vealers 81.00-95, few Good 70.00-80, Standard & Good 70-100 lbs. 45.00-55, few Utility 60-80 lbs. 40.00-45. Farm Calves: Hol. Bulls 85-130 lbs. 55.00-95; Hol. Heifers 75-160 lbs. 65.00-115.

HOGS 434. Barrows and gilts steady to 50 cents lower. US No. 1-2 210-235 lbs. barrows and gilts 44.50-46.10, No. 1-3 190-250 lbs. 44-44.50, No. 2-3 225-275 lbs. 39.00-44. US No. 1-3 310-540 lbs. sows 35.00-37, couple 40. Few Boars 29-31.50. TUES. 12-22-81-

HOGS 109. US No. 1-2 barrows and gilts 42.10-42.50, No. 1-3 41.85-42.10, No. 2-3 39.75-40.10.

FEEDER PIGS 180. US No. 1-3 20-35 lbs. feeder pigs 16.50-27.50 per head, lot 65 lbs. at 42.00 per head.

SHEEP 5. Not enough of any one grade to establish a market.

New Holland Horse

Monday, Dec. 28

New Holland Sales Stables

Report supplied by auction

Reported receipts of 160 head of horses, mules, and ponies. Market: stronger.

Mules 675.00-975.00; Better horses 550.00-700.00; Driving horses 350.00-750.00; Riding horses 350.00-475.00; Lightweight killers 325.00-475.00; Heavyweight killers 525.00-725.00; Mares 35.00-125.00; Colts 15.00-35.00; Geldings 35.00-125.00; Larger ponies 150.00-290.00.



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JOHN B. STOLTZFUS

R.D. 1, Kirkwood, Pa

Abe Dittenbach, Auctioneer

NEXT SALE DATE FEB. 19

What does the 1982 farm economy forecast reveal?

WASHINGTON, D.C. — Going into 1982, inventories of farm products will continue to be large relative to demand in domestic and world markets.

Yet developments in the weather, world economy, agricultural and trade policy, and other key areas could certainly modify this picture. Perhaps the most important variable in the agricultural outlook, outside of weather, is the performance of the domestic and world economies, reports the USDA Economic Research Service.

In 1981, some expansion in planted area, plus unusually good weather, triggered strong increases in world production of grains, oilseeds, and fibers. Strikingly, most of this year's gains took place in the United States where crop production jumped 14 percent from the poor output of 1980 and livestock output increased 2 percent.

Although U.S. farm exports should expand in the next 12 months, U.S. supplies of feed grains, rice, oilseeds, and cotton will still exceed projected use, pointing to sharp stock buildups.

Poor economic performance, both here and in most other countries besides the oil exporters, is sharply accentuating the effects of large supplies on American farmers. Slack demand is weighing on livestock product prices and moderating exports of farm commodities.

The export picture is especially complex. Not only have weak economic conditions and rapid inflation abroad cut into agricultural product demand, but the strong dollar in 1981 has somewhat offset lower commodity prices, and high interest rates here and abroad have forced most users to buy on a hand-to-mouth basis.

Economic Growth Prospects Mixed

World economic activity should pick up somewhat next year. However, the outlook is still clouded by high interest rates, high unemployment, slow economic growth, high inflation, and serious balance-of-payments deficits for most nonoil-exporting countries.

Among the developed countries, Japan will probably show the best

performance and the United Kingdom the weakest. Economic growth in Western Europe, which has been poor during 1981, may recuperate. In the United States, improvement in the second half of 1982 is expected to strengthen demand for farm products.

Economic growth in the developing countries probably won't match historical rates next year, but there is great diversity. OPEC countries, for example, are trying to slow their hectic pace of expansion, while the low-income developing countries are still struggling to recover from the oil price shocks of 1979-1980. Many have drawn down reserves, suffered high debt-service ratios, and grown more dependent on external aid. Next year won't bring much improvement. For some nonoil-exporting — but rapidly expanding — developing countries, growth is likely to maintain its present fairly strong pace next year.

Trade with the Soviet Bloc to Expand

For the third consecutive year, poor weather has cut deeply into Russian grain production. Consequently, Soviet grain imports may reach an unprecedented 43 million tons in the coming year. The United States recently offered the Soviets up to 23 million tons of grain under the sixth year of our long-term bilateral grain agreement. The sensitivity to overall food availability in Eastern Europe has been heightened by a smaller total grain harvest, burdensome debt-service commitments, and, in Poland, continuing political and economic difficulties. Tight food supplies have necessitated rationing in Poland and, more recently, in Romania.

CROP HIGHLIGHT

Wheat (U.S.)

The record U.S. wheat crop has pushed total 1981/82 supplies to 3.74 billion bushels, 14 percent above last year's all-time high. These large supplies, combined with prospects for a slight reduction in foreign production and increased world trade, have raised projections of U.S. wheat shipments to a record 1.9 billion bushels.

Domestic use is forecast to rise, with food use continuing to grow

and feed use increasing fourfold. Feed use for 1981/82 is estimated at 200 million bushels.

The huge 1981 wheat harvest, the sluggish economy, record feed grain production, and the high cost of carrying inventories have combined to hold wheat prices down. The 1981/82 season average price is projected to range from \$3.80 to \$3.95 a bushel, compared with \$3.96 last season.

Food Grains (World)

World food grain production in 1981 is now estimated at a record 858 million tons, up 3 percent from 1980. The increase, well over half of it in the United States, will be more than enough to meet the growing world feed grain demand in 1981/82 and allow for a buildup in ending stocks.

While world crops of both wheat and rice are expected to reach record levels in 1981/82, trade levels for these two grains will move in opposite directions. Import demand for wheat is forecast to rise to a record level but demand for rice will contract.

World wheat trade will expand this year largely because the major importing countries — especially the USSR, Eastern Europe, Brazil, and Spain — have had particularly poor crops, while the major exporting countries have had record production. Such a pattern will lead to record world trade despite the static nature of global requirements for wheat. Most of the increase is expected to result from the larger requirements of the developing countries, which account for about two-thirds of the world's wheat imports.

Feed Grains (U.S.)

Although carryin stocks are 18 million tons below a year ago, this fall's record feed grain crop will boost U.S. supplies 12 percent from 1980/81. At 280 million tons, total feed grain supplies for 1981/82 are only 4 million below the 1979/80 record.

These large supplies, lower expected prices, and some improvement in livestock feeding margins will lead to increased feed use in 1981/82. More normal winter weather than last year's mild conditions would also raise requirements.

For 1981/82, feed use of feed grains is projected at 130 million tons, up 6 percent from last season but still 6 percent below 1979/80. Larger broiler production will account for most of the increase in feeding this year, as pork production could be down more than 5 percent, and fed beef production may be virtually unchanged from a year earlier.

Total feed grain exports for 1981/82 are forecast at a record 72 million metric tons, up 2.8 million from last season. Food, seed, and industrial use of feed grains will also increase this year, particularly as more corn will be used to produce gasohol and high fructose corn syrup. Total domestic use and exports of feed grains in 1981/82 are projected at 228 million tons, up 5 percent from 1980/81.

Despite the expected increase in both domestic use and exports, total use of feed grains in 1981/82 is still likely to fall well short of the record production. Thus, feed grain stocks in 1981/82 are likely to build to 53 million tons, 18 million above last season but about the same as in 1979/80. The stocks-to-use ratio in 1981/82 of 23 percent compares with 16 percent in 1980/81 and an average of 22 percent during 1977-79.

Feed Grains (World)

The world feed grain situation and outlook for 1981/82 is characterized by a record crop in the United States, record or near-record production in other exporting countries, anticipated larger imports by the Soviet Union, and sluggish import demand elsewhere. These factors are combining to lower prices from those of a year earlier.

With expanded imports by the Soviet Union and several West European countries, world trade is currently forecast to rise 6 percent to a record 110 million tons. Production in most of the major foreign exporting countries — Canada, Australia, South Africa, and Thailand — is at record or near-record levels for the second consecutive year, so 1981/82 exports by these countries should increase at about the same rate as total world trade. These trade expectations hinge heavily on the

outcome of the Southern Hemisphere harvests in early 1982 and on the absence of shipping difficulties.

World production is currently expected to exceed utilization by about 18 million tons. As a result, the rise in global ending stocks is anticipated to exceed last season's decline. Most of the stock increase will occur in the United States, but stocks in the other exporting countries are also projected to rise.

Oilseeds (U.S.)

The oilseeds outlook is dominated by larger supplies and lower prices — particularly for soybeans, which account for 85 percent of U.S. oilseed output. Total U.S. oilseed production is forecast at 67 million metric tons, nearly 20 percent above 1980.

Although domestic use and exports are both expected to rise this season, the increase will fall far short of the change in supplies. Consequently, stocks will build, and inflation-adjusted prices of oilseeds and products, on average, will fall to their lowest levels in several years.

This season's larger soybean supplies and lower prices are expected to raise total use of soybeans to around 2 billion bushels, nearly 10 percent above 1980/81. Weak economic growth, high interest rates, a flat livestock sector, and the strong U.S. dollar will moderate increases in total use. Thus, the gain in use will be due more to lower prices than to any underlying shift in soybean demand.

Forecasts of soybean production and use for 1981/82 imply a record-high carryover of 405 million bushels on September 1, 1982 — up from the 1980/81 carryover of 320 million. If realized, this season's carryover would be 20 percent of total use, up from 17 percent in the previous two seasons. During 1976/77-1978/79, the stocks-to-use ratio was below 10 percent.

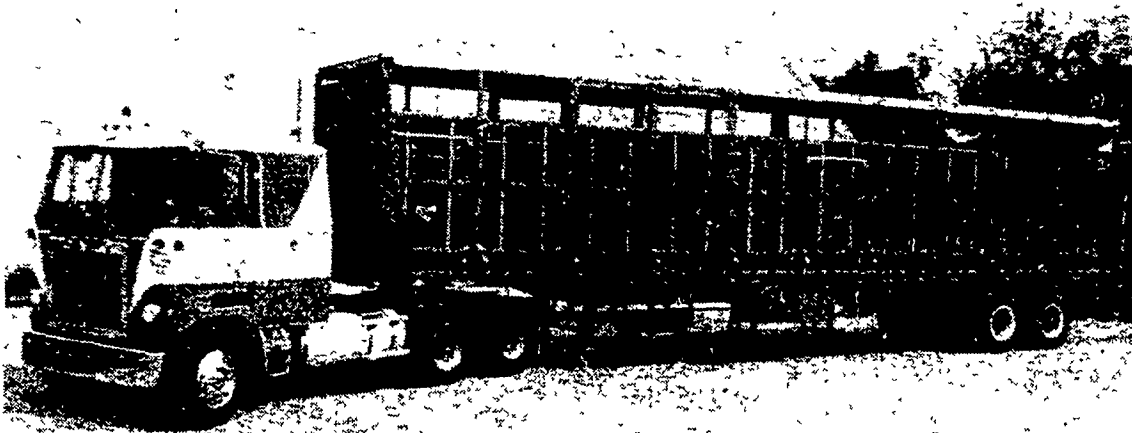
Primarily because of this season's larger supplies and declining oil and meal prices, soybean prices are forecast to fall sharply. At the farm, prices are forecast to average \$5.75 to \$6.75 a

(Turn to Page A8)

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1982 farm forecast

(Continued from Page A7)

bushel, down from the 1980/81 average of \$7.61.

Peanuts (U.S.)

U.S. peanut production has recovered from last season's drought-depressed harvest. Domestic food use of peanuts, which was off 19 percent in 1980/81 (August-July) because of the short supply, is expected to increase this year. Peanut crushings, which also fell in the past season, are likely to rise this year to 665 million pounds. Peanuts available for export will also rise, but exports are not expected to reach the level of 1979/80.

Although many growers have contracted a portion of their crop at premiums above the support level, the large outturn means much of this fall's crop will sell close to support. Farm prices for 1981/82 could average around 23.5 cents a pound, slightly below 1980/81.

Oilseeds (World)

Large world oilseed supplies—going back to the extremely large crops of 1979/80—have backed up in the form of soybean oil and soybean stocks, largely in the United States. Soybean and soybean oil stocks increased sharply in 1979/80 and oil stocks were up again last season. Despite lower prices and larger world consumption, stocks of soybeans and oil are likely to climb again in 1981/82.

The 1981/82 world crop is only slightly above trend for meal and on trend for oil. But carryover stocks are again high, economies continue weak, and the livestock base is weak.

Large stocks of oil limited crush in 1980/81 and will again this year, but to a lesser degree. Soybean oil should be a little easier to move this season. For one thing, retail inventories are down. Also, Brazil's stocks of beans and oil are lower this fall than last year, as exports from the 1981 crop have moved earlier than a year ago. Finally, the increase in foreign oil-equivalent production will be less than last season. Nevertheless, there is a steady long-term pressure from large world supplies of fats and oils overhanging the market; in the past 2 or 3 years, this apparently has limited the world soybean crush.

Fruit (U.S.)

Because of adverse weather last

winter and spring, the fruit industry in 1981/82 will depart from the upward trend in production of the past several years. However, the bearing acreage for most fruits continues to increase so production increases could resume in the years ahead. This season, substantial declines in production of apples, grapes, and oranges are likely to keep grower prices relatively high. High contract prices and good demand should also boost grower returns. With the anticipated moderate increase in input costs, profits to the fruit industry are expected to surpass last season's.

The smaller projected fruit supplies combined with rising marketing costs will continue to push up retail fruit prices. However, the sluggish economy may moderate price gains. Furthermore, there will probably be occasional promotional reductions for some processed items—particularly canned fruit and citrus juice—because supplies of these products are expected to be large relative to market needs.

Vegetables (U.S.)

Smaller supplies of fresh and processed vegetables this fall point to higher prices for both producers and consumers. Supplies of fresh vegetables during the fourth quarter of 1981 are approximately 6 percent smaller than last year, and processors have used about 2 percent less.

Prices paid to growers for fresh vegetables will advance seasonally this fall and average moderately higher than a year ago. During the last quarter of 1981 and the first half of 1982, retail prices for most processes vegetables will average moderately higher than a year earlier, reflecting tighter supplies and higher processing and marketing costs.

The acreage planted to 14 fresh-market vegetables since July 1 in major producing States is down 5 percent from October 1, 1980. Among the major crops, acreage will decline 4 percent for lettuce and 20 percent for tomatoes. Production of the 14 main vegetables is expected to dip to 35.1 million cwt from 39.0 million a year ago.

The area contracted for production of the nine processing vegetables in 1981 is estimated down 3 percent from 1980. Raw

tonnage production under contract is expected to fall 3 percent from a year ago. Highlighted this season are substantial decreases in contract tonnage for tomatoes (55 to 60 percent of processed vegetable tonnage), down 8 percent; beets, down 23 percent; and green peas, down 6 percent.

LIVESTOCK HIGHLIGHTS

Cattle

As the upswing of the cattle cycle continues, beef production will likely rise 2 to 4 percent in 1982 following a 2- to 3-percent gain in 1981. Supplies will be large relative to the weak demand brought on by slow economic growth and constrained consumer budgets. Consequently, Choice steer prices at Omaha will be held to an average of \$64 to \$67 per cwt. at least through mid-1982, when the economy may improve.

Sharply lower feed costs than a year ago, much improved forage conditions, and moderating interest rates will help hold down production costs. Feeder cattle prices may improve slightly more than Choice steer price as production costs decline, allowing cattle feeders to bid more for replacement feeder cattle. Cattle feeders will also face stronger competition from stocker operators with good forage supplies.

The expansion phase of the cattle cycle should continue over the next several years, barring poor forage supplies. Forage supplies are being constrained by higher costs of energy based inputs such as fertilizer and herbicides and by the continuing shift of land from pasture to crop production, which began in the early 1970s.

A majority of beef cow-calf operators raise their own replacement heifers, which reduces the out-of-pocket costs of

herd expansion because it does not require new investment at today's high interest rates. This may, however, entail the loss of alternative uses of resources absorbed in herd expansion—particularly on cropland pasture.

World beef production was about unchanged in 1981 from a year ago, and little expansion is expected in 1982. Per capita world beef consumption is expected to continue declining in 1982, as it has since

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Home Hints: Next time you braise shoulder lamb chops, add some strips of carrot and onion to the braising liquid. You'll like the flavor.

OLD FARMER'S WEATHER FORECAST

New England: Cold temperatures and flurries begin week; mid-week brings mild temperatures, then cold snap, snow north; heavy rain for weekend.

Greater New York-New Jersey: Cold, very beginning of week, then partly cloudy and mild for rest of week; weekend is warmer, rainy.

Middle Atlantic Coastal: Week begins clear and warm; turning to rain, locally heavy, and mild temperatures at week's end.

Piedmont & Southeast Coastal: Clear and mild all week, weekend brings rain.

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1982 farm forecast

(Continued from Page A8)

in 1980 but still the second largest on record.

The large pork production of the last 3 years has depressed hog prices. Combined with rising production costs, this has generally caused financial losses for most hog producers. As a result, producers have cut the U.S. breeding inventory, which has shown year-to-year declines since early 1980.

As pork production dropped this year, hog prices strengthened. Declining feed prices and moderating total production costs have improved producer returns. This has led hog producers to adjust management plans so that the rate of decline in pork output will moderate during 1982. Based on September 1, 1981, hog inventories and producer plans, pork output is expected to decline 4 to 6 percent next year. The largest declines will come early in the year, with late-1982 production approaching that of late 1981.

This level of output would still be relatively large, especially considering the expected supply of other meats and consumers' purchasing power next year. Hog prices likely will strengthen in 1982, but with total meat supplies continuing large, the average price of barrows and gilts at 7 markets is expected to be \$45 to \$49 per cwt.

World pork supplies have tightened this year. Reduced feed supplies last year sharply raised feed costs in many countries. Furthermore, slow economic growth weakened hog prices and

put producers in an economic squeeze. As a result, 1981 would pork production has slipped a little below last year. Next year, world pork output is expected to be about the same as in 1981, with larger feed supplies giving pork producers a break on production costs.

Broilers (U.S.)

Competing meat supplies, particularly of pork, will heavily influence broiler output and returns in 1982. Pork output could be down to 4 to 6 percent and beef up 2 to 4 percent. With the expected slow economy, producers must restrain total supplies of red meats and poultry for price strength to materialize. Broiler producers, however, are likely to respond quickly to price strength if it develops.

Improvement in cost prospects and stabilization of the hatchery supply flock suggest that producers are planning a slight expansion for 1982. Broiler output in the first and second quarters may rise somewhat from 1981, especially if reduced pork production lifts prices from current low levels. Third-quarter output will likely equal the second quarter, with fourth-quarter production likely near a year earlier if pork production also holds near 1981 levels.

Broiler prices in 1982 are expected to strengthen from 1981 levels. The 9-city weighted average wholesale broiler price in first-half 1982 may be slightly weaker than this year. But in the second half, the expanding

economy may strengthen prices provided broiler production shows. **Broilers (World)**

International trade in poultry products will expand again in 1982. The United States will continue as the world's leading single-country exporter of poultry meat, possibly shipping 440,000 to 470,000 tons—roughly 10 to 15 percent above the 1981 figure. The major U.S. markets are expected to be the Middle East, the Far East, and the Caribbean. However, as in the past, U.S. poultry meat export will probably be more widely distributed among destinations than those of its major competitors.

In 1982, competition among the leading exporters will intensify. As in the past, the United States' major competitors will be the European Community (EC), France in particular. Other EC members exporting substantial quantities of poultry to non-EC countries are the Netherlands, West Germany, and Denmark. The other major competitor for poultry meat export markets in 1982 will continue to be Brazil and Hungary.

Eggs
Production may continue to trail year-earlier levels in the first half of 1982, with the total for the year forecast to be even with 1981 to down 2 percent. If producers reduce output in the first half, egg prices may average 73 to 75 cents a dozen, up from 70 cents this year. In the second half of 1982, egg prices may average 76 to 78 cents a dozen if the economy improves.

Turkeys

Large holdover stocks will help push turkey production down 4 to 6 percent in 1982. Turkey output may decline about 3 percent in the first half and 8 to 10 percent in the second half. Prices of young hens

may average 53 to 57 cents during the first half of 1982, down from 62 cents this year. If turkey production falls as expected, cold storage stocks will likely be much lower than this year—helping to support prices in the second half. If the economy picks up, turkey prices may average 67 to 71 cents a pound in the second half of 1982.

Dairy (U.S.)

In 1982, the expansion in milk production—which began in mid-1979—may slow if support prices remain level throughout the year. Farm milk prices may only increase 1 to 2 percent over 1981—with most of that gain occurring in the second half, if production adjustments occur.

Milk-feed price relationships will still be favorable, but gains in output per cow may slow as older cows are culled from the herd and replaced by first-lactation heifers. However, as these heifers move to later lactations, gains in output per cow could again pick up. In addition, with limited off-farm opportunities and low utility-cow prices, the culling rate could remain low, with cow numbers exceeding year-earlier levels during most of the year. Under these conditions, total milk production in 1982 may range from even with to 2 percent above 1981's record, with gains in the first half more than offsetting somewhat lower production later in the year.

The all-milk price likely will average about \$13.75 for all of 1981, up about 6 percent from 1980. With excess supplies, prices in the first half of 1982 will be about the same as a year earlier. If production adjustments occur during the second half and the general economy improves, prices would likely move above year-earlier levels.

During the first 9 months of 1981, USDA purchases under the price-support programs totaled 11.2 billion pounds (milk-equivalent fat basis), compared with 7.4 billion a year earlier. This 9-month total represented about 11 percent of total estimated farm marketings. Through September, butter removals totaled 307 million pounds, up from 268 million a year earlier. American cheese purchases totaled 490 million pounds, up from 307 million, while purchases of nonfat dry milk were 677 million pounds, up from 524 million.

The purchase picture has not changed yet during October, USDA removed all three products from

the market in amounts greater than in 1980. This is not surprising, however, since supplies remained large and products manufactured during the first 20 days of October could be sold to the Commodity Credit Corporation at temporarily higher purchase prices. Purchases of all three products likely will continue heavy in 1982—although purchases will slow late in the year if production adjustment occur.

Dairy (World)

Milk: World milk output will likely rise about 1 percent in 1982, as conditions are expected to improve in the Soviet Union, New Zealand, and Australia, India, Canada, and Brazil increased output in 1981, but declines occurred in the Soviet Union and Poland because of feed grain and forage problems and in New Zealand and Australia because of hot weather and drought. In the 10 European Community (EC) countries, which account for nearly 30 percent of world milk output, cow numbers have declined, and total milk output appears to have nearly stabilized.

Butter: World butter production has remained near 6 million tons since 1976 and is expected to continue at that level in 1982. U.S. butter production is up sharply—an estimated 8 percent this year—reflecting the sharp rise in raw milk available for manufacturing dairy products. With commercial use down slightly, U.S. stocks increased rapidly during the first half of 1981, with most of the surplus moving into stocks owned by the government. In April, the Commodity Credit Corporation (CCC) sold 30,000 metric tons to Poland. Then in August, the CCC sold 100,000 metric tons of its inventory (about one half) to the New Zealand Dairy Board. New Zealand intends to convert most of this butter into butteroil for sale on world markets, particularly for recombining with nonfat dry milk to make a fluid milk product.

New Zealand and the EC are the world's leading exporters of butter. Excluding intra-EC shipments, these two major exporters of dairy products account for around 85 percent of the world butter trade. The EC subsidizes butter exports to limit excessive buildup in its intervention (government-owned stocks). The most recent EC export subsidy is \$1,155 per metric tons, or 52 cents a pound.

Nonfat dry milk: World production of nonfat dry milk powder this year is estimated at nearly 4.2 million metric tons, only slightly above 1980's output. Little change in production is anticipated for 1982.

World stocks at the end of 1981 are likely to be up sharply from ending 1980 levels, and they may

(Turn to Page A13)

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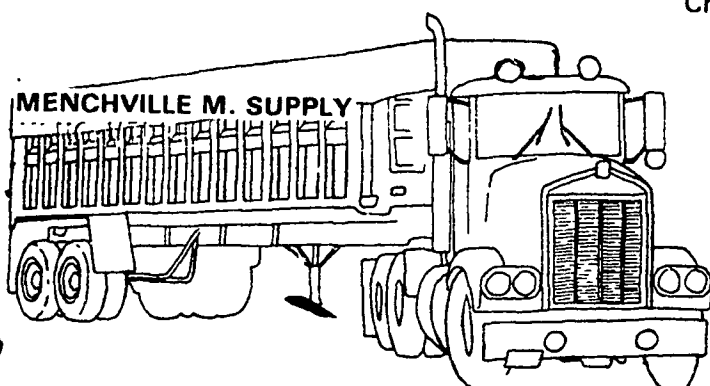
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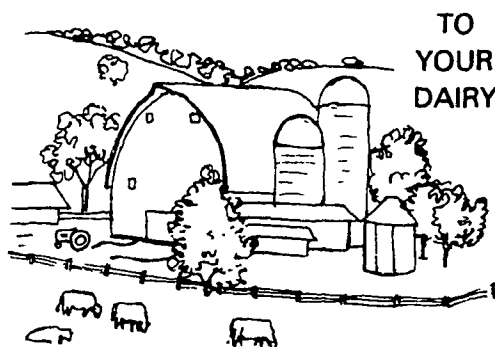
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Off the Sounding Board

By Sheila Miller, Editor

Reflections and resolutions

The dawning of a new year is a time for making resolutions, and reflecting on the events of the past 365 days.

We all look forward to a brighter 1982 for farmers, and fortunately we are not alone.

U.S. Senator Jesse Helms, who sits at the helm of the Committee on Agriculture, Nutrition and Forestry, has come up with his New Year's resolutions, too.

"We are shaping a legislative agenda which will provide for a more productive and more profitable agriculture now and in the future," Helms stated.

"Throughout most of this year, we dedicated much of our efforts to the 1981 Farm Bill. Completing this piece of agricultural legislation was a monumental and worthwhile task.

"The Committee was successful in completing 8 additional bills. We held numerous hearings on agricultural issues as well as a number of hearings for executive appointments by the President," he said.

"In 1982, the same commitment and dedication to agriculture and feeding the world will be instrumental in the major legislative initiatives of the Committee."

Outlining the tasks ahead, Helms noted that in the forefront would be the arduous job of trimming the budget for 1983. He pointed out that the Committee would once again play a major role in trimming an already gaunt federal agricultural expenditure allotment.

Another area of important Committee action will be beginning early in the Congressional session, Helms predicted. He stated the Senate Agriculture Subcommittee on Agricultural Research and General Legislation will begin hearings for the reauthorization of the Commodity Exchange Act which provides the framework for the regulatory responsibilities of the Commodity Futures Trading Commission. "The legislation is the basis for regulation of the commodity futures trading industry and its activities," Helms explained.

The already controversial food stamp program will be on the Committees agenda for close scrutiny in 1983, Helms added. "The 1981 Farm Bill extends the food stamp program for one year. Therefore, it will be necessary to renew the program." He noted that Committee will be holding hearings on whether this support program should be reauthorized, and will be in-

vestigating ways to reduce waste and fraud that this program has become notorious for.

Along with Senator Hatch, who chairs the Senate Committee on Labor and Human Resources, Helms outlined his plans to hold hearings on legislation introduced by the two Senators which would "revise the nation's antiquated food safety laws."

"The full Committee and the Subcommittee on Foreign Agricultural Policy will continue discussions on the trade policies of the European Economic Community," Helms reported, adding hearings are planned for early 1982. And the Subcommittee will continue to look into expanded markets for agricultural commodities.

One area that is sure to stir up a beehive of activity is the Federal Insecticide, Fungicide and Rodenticide Act reauthorization. This act regulates the agricultural chemical industry and the use of pesticides. Helms projected hearings and mark-up sessions on the renewal process will be one of the key topics in 1982.

Other areas that are sure to be watched closely by the agriculture community include Committee action on soil conservation, Federal Crop Insurance and other disaster programs, and new agricultural technology.

"The Committee will be taking a closer look at the Administration's proposed soil conservation initiatives and programs," said Helms. "We'll be looking for the reactions from farmers."

He noted the Committee will be studying the effectiveness of the Federal Crop Insurance Corporation and its interaction with other federal programs. And it will be looking at no-till conservation practices, bio-mass energy potentials, leaf proteins and their uses, and biogenetic engineering advances.

"Throughout these hearings, our ultimate goal will be to provide the most effective and productive legislation for the nation's agricultural producers," concluded Helms. "I am committed to seeing that those goals are met by this Committee."

Only time will tell if Helms' resolutions become reality. For our sake, let's hope Congress' 1982 "commitment to the nation's agricultural producers" sees us through potential embargoes and price-support cuts, and legislation that only ties the hands of the farmers whose calluses are 'medals of honor' won in feeding this nation and helping it grow strong.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851



To Know Tax Report Timetables

Farmers planning to estimate what their tax is going to be for 1981 should file Form 1040 ES by January 18. If you file your Estimated Return by January 18, you have until April 15 to file a complete tax return on Form 1040 and pay any tax still due or request a refund if the tax was overpaid in making the estimate. However, farmers who do not file and pay an estimated tax must file the completed 1040 form by March 1 and pay in full whatever tax is due at that time. Non-farmers have until April 15 to complete their 1040 and pay any tax due. Farmer Tax Guides are available at the Extension office to assist in filing your reports.

To Recognize Our Reliance Upon Agriculture

Agriculture promises to be one of the most exciting growth industries in the next decade or two. This was the prediction made by Gilbert Porter, of Agway, Inc. as he addressed the Annual Meeting of the Red Rose DHIA. Several things prompted this prediction. World population is expected to double in the next 40 years, and all of these people will have to be fed. The key to this lies in the hands of agriculture.

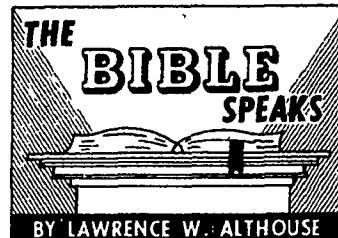
Extension Agent Glenn Shirk emphasizes that few countries have as much fertile land and a climate as suitable for agricultural production as does the U.S. Couple that with technology and useful knowledge in the hands of free

people, and you'll quickly discover that the productivity and efficiency of American agriculture is unsurpassed. Evidence of this is the fact that most of the grains - about 75% - exported on the world markets are grown on U.S. soils. To continue to help supply the world demand for food, the development and adoption of agricultural technology must be even more rapid than the record breaking pace set in the last decade or two.

To Prepare For Slippery Conditions

Slippery roads, walks, and steps will be a common hazard in the next few months. Many people use salt too freely in cutting the ice; it

(Turn to Page A12)



DOING YOUR "THING"

January 3, 1982

Background Scripture:

John 20:26-29; 1
Corinthians 12:1-3;
Colossians 1:15-20.

Devotional Reading:

1 Timothy 1:8-14.

We live in a "do your own thing age."

It was an idea whose time had come. There was a need for an emphasis urging people to take responsibility and control for their own lives. There was a need to break out of patterns that had become meaningless, whose purposes had long been forgotten.

But as with any new current of human thought, we have tended to push a good thing to absurd extremes. Many people have wrongly assumed that "doing their own thing" somehow freed them from responsibility and commitment to other people. It also became a justification for blatant selfishness and irresponsibility.

THE FREE CAPTIVE

What we need to realize is that when we have taken both responsibility and control for our own lives it does not mean that we therefore need to go it alone. For one of life's paradoxes is that when I live only for me, I am not free at all. I am a prisoner to my own dark emotions, deep suspicions, hurts and unrecognized motivations. No one is more surely a prisoner of him or herself than the one who tries to live in isolation.

At the same time, if I am really a free person—my own person, so to speak—then I have the capacity to commit myself to something beyond myself without the loss of my freedom or sovereignty. The old hymn puts it clearly:

Make me a
captive, Lord,
And then I
shall be free;

If we would really be doing our own thing, we need to give ourselves in commitment to Christ.

But that's where many of us have a problem: commitment. We don't want to commit ourselves. Jealous at our sovereignty, we don't want to give ourselves to anything or anyone. We want to run our own lives, little realizing that, without Christ, we cannot experience freedom.

SAVIOUR AND LORD

Many people want the benefits of Christianity without making the commitment those benefits require. We are all happy to have Christ as our Saviour, one who frees us and heals us of the evil that touches our lives. But Christ is not offered to us as just a Saviour. When the angels announced his birth to the shepherds of Bethlehem, they proclaimed: "for unto you is born this day in the city of David a Saviour who is Christ the Lord" (Luke 2:11). Jesus came as both Saviour and Lord. And when the Apostle John confesses Christ in the upper room, he cries "My Lord and my God" (John 20:26).

So Jesus came, not only to save us, but to rule our lives. If we want to be his followers, we need not only to allow him to save us from our sin, but also to be Lord of our lives. That means that we put our lives into his hands, letting him direct and guide them. When we have allowed ourselves to do that, then, and only then, will we be doing our own thing.

OUR READERS WRITE, AND OTHER OPINIONS

Turn the other cheek?

An advertising campaign of the Humane Society of the United States against veal consumption is a slap in the face of the livestock industry, which has attempted to explore concerns of animal welfarists about confinement production of livestock and respond to them.

This campaign, if successful, would jeopardize the livelihood and investment of some 1,200 U.S. family veal producers.

Producers and others in the livestock industry, and particularly the veal industry, have been listening to the animal welfarists in an attempt to un-

derstand their concerns. The veal industry has responded, with a study of the system the animal welfarists have proposed as an alternative to the traditional calf raising system. That study is just now getting underway.

For HSUS to embark on what amounts to encouragement of a boycott of veal, completely ignoring attempts by the livestock industry to respond and without waiting for the results of that study, makes me wonder about their real goals.

Are they really interested in the

(Turn to Page A12)

HAY HAWS



"We've managed to make both ends meet in 1981 — what worries me is this gap in the middle."



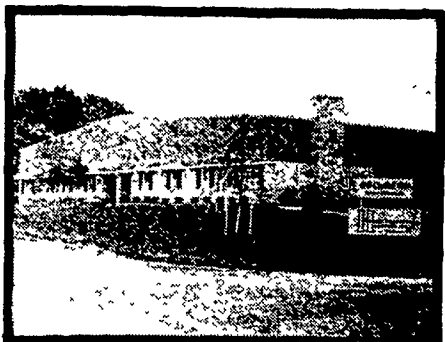
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Now is the Time

(Continued from Page A10)

may get the job done but also, may injure nearby turf or shrubbery. I'd suggest the use of sand or sawdust. These materials will make the surface safe without possible injury to vegetation. In areas without any vegetation salt will give good results. Along our main highways there is some evidence that the constant use of salt is inflicting injury to nearby trees and shrubs. Don't let this happen to your favorite tree, shrub, or the turf lining your walks.

To Control Livestock Parasites

The winter feeding program is underway and parasite-infested livestock are poor money makers. Body lice are often found on nearly all species of livestock; in cold weather the heavy hair coats makes it difficult to eradicate these pests. We urge two treatments at 12 to 14-day intervals for best results. Some cattle operators will have automatic louse control devices filled with an insecticide. This is excellent if materials are kept in the equipment. In milder weather cattle can be sprayed with the materials using cold water. Stomach worms should also be eradicated in order to make good use of high-priced feed. The local veterinarian can check fecal samples to determine the infection. Don't operate with parasite infestation of any kind.

Adams Co. Farmers Assn. promotes ag through pictures

BY GINGER SECRIST MYERS

Staff Correspondent

GETTYSBURG — The Adams County Farmers Association has assembled a 20-minute slide

presentation and narrative entitled "Adams County Agriculture".

The presentation, created with the assistance of the Adams County Extension staff, depicts the

wide diversity of products produced throughout the county and is composed of slides submitted by individual Farmers Association members.

According to Adams County Farmers Association President Mervin K. Myers, Littlestown, the purpose of the presentation is... "to promote Adams County agriculture to the consumer. With 60 percent of the acreage of the county engaged annually in the production of farm products worth over 70 million dollars, we hope to get this story out to the public. We're showing it in the local schools and at a variety of meetings."

Adams County is among the leading counties in the United States for raising specialized

crops. The presentation deals with these specialized areas by presenting factual information about the crop's production and harvesting and then places the information in consumer oriented examples.

A sampling of this: "Adams County ranks first in peach production, harvesting over 500,000 bushels, and first in apple production with over 4 million bushels harvested each year. One apple tree when fully grown will produce enough apples to make about 225 pies each year."

The presentation also touches briefly on the subject of the farmer's problem in production from planting to harvesting and the necessities of keeping the farm a profitable business so that it continues to grow crops and not houses.

Those interested in obtaining the presentation for showing can do so by contacting Mervin Myers, Littlestown, 717/359-4383 or the Adams County Extension Service, Gettysburg, 717/334-6271.

OUR READERS WRITE

(Continued from Page A10)

welfare of farm animals? Or is this attack merely a thinly disguised membership drive by HSUS?

Some livestock producers feel it is part of a campaign to discourage the eating of meat, with a final goal of imposing vegetarianism on the public, and this campaign certainly supports that conclusion.

If the test of the British calf raising system endorsed in the HSUS ad campaign indicates it is better and economically practical, it will be adopted by veal producers. However, the British developer of that system has told U.S. producers it cannot be transferred intact to this country, but must be studied to determine which portions might be applicable under U.S. conditions.

If the care of farm animals is really the major interest of HSUS, rather than contributions, vegetarianism, or simply destroying the veal industry, the organization will call off this campaign until the results of that research are in. The size of the British veal industry, is only 50 producers, while the U.S. veal industry has hundreds of thousands of American family farmers engaged in livestock production

While livestock producers feel many of the practices being objected to actually contribute to improved conditions for livestock and deny they are treating their animals cruelly, they have been willing to listen and to fund research to obtain scientific measures of these issues.

Until the research results are in and studies such as the trial of the British veal system have been completed, they feel it is totally unfair for animal welfarists to attempt to influence consumers with emotional campaigns not supported by scientific evidence. The 1,200 farm families who raise veal calves deserve better than this cruel attack on their livelihood.

When my organization asked animal welfarists to specify their concerns at a recent meeting, they admitted that some of their charges against the veal industry in the past have been false. Livestock Conservation Institute is a livestock industry trade association dedicated to reducing losses from diseases and improper handling of livestock.

Neal Black
President

Livestock Conservation Institute

Farm Calendar

Monday, January 4

Bradford 4-H Leader Dog meeting, 7 p.m., Extension Office, Towanda.

Tuesday, January 5

Annual Northeastern Wood Science Society, New York City Sheraton Centre, continues until Thursday.

Estate Planning for Professionals, 9 a.m.-3:45 p.m., Embers, Carlisle.

Lancaster County Tobacco Show, 9:30 a.m.-3 p.m., Farm and Home Center.

Wednesday, January 6
Hunderdon County Board of

Agriculture, 8 p.m., Extension Center, Flemington, N.J.

Farm Income Tax meeting, 9:30 a.m.-3 p.m., Farm and Home Center.

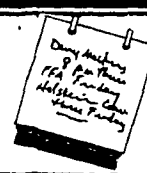
Bradford Spring Maple Committee, 8 p.m., Extension Office, Towanda.

Thursday, January 7

1982 Mid-Atlantic No-Till Conference, Exhibition Hall, Md. State Fairgrounds, Timonium, Md.

Friday, January 8

Pa. Egg Marketing Association, 7 p.m., Sheraton Conestoga. Boyce Overstreet, U.S. Egg Marketers, Inc., to speak.



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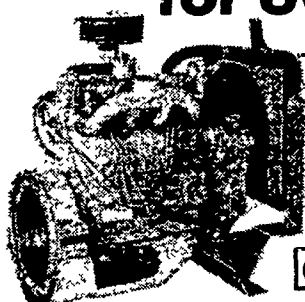
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1982 farm forecast

(Continued from Page A9)

climb further during 1982. U.S. stocks, even after large CCC sales to Mexico and Poland this year, are expected to exceed 400,000 metric tons by the end of this year and are approaching 45 percent of world inventories.

The EC, also plagued by large inventories from 1972-1978, has sharply reduced stock levels through increases in both domestic use and exports. Export subsidies on non-fat dry milk are \$410 per metric ton, or 19 cents a pound.

Cheese: World cheese manufacturer will likely rise 1 percent in 1982, with EC production climbing 2 percent and Australia and New Zealand recovering from weather-related problems. The 1981 increase of 2 percent followed gains of 4 percent in the previous 3 years. Cheese production is up about 7 percent in the United States this year, 3 percent in the EC and over 2 percent in the other non-EC Western European countries and Canada. However, 1981 cheese output may be down in Argentina, Brazil, Australia, New Zealand and the USSR.

By the end of December, world stocks of cheese may near 1.3 million metric tons, up 11 percent from the end of 1980. A similar rise is projected for next year. The jump in both 1981 and 1982 is largely due to the rapid growth in U.S. stocks. If the government makes no significant sales for export and stocks grow as anticipated next year, the United States could end 1982 with 45 percent of world cheese stocks.

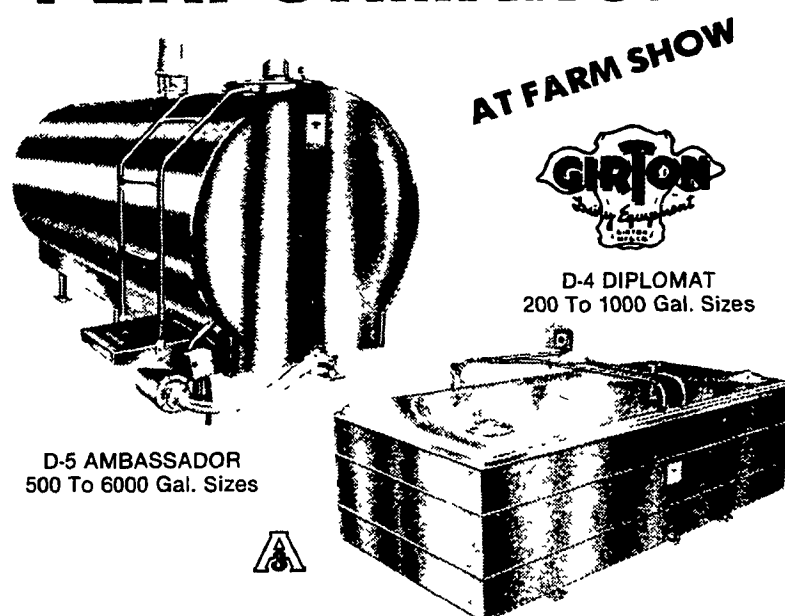
Casein: Most of the world's supply of casein is manufactured in only 9 countries, with New Zealand, France, and Poland

accounting for one-half of the 9-country total. World casein production for 1981 is estimated at around 190,000 metric tons, down 8 percent from 1980. At this point, it appears that 1982 casein manufacture may continue near this year's level. The United States does not produce casein because it can obtain it more cheaply in the world market. During 1980, U.S. purchases totaled 69,000 metric tons, about one-third of last year's world casein output. U.S. imports are down sharply this year and through August were running some 20 percent below January-August of 1980.

New Zealand's casein output dropped significantly in 1981, partly because of its reduced milk production. Last year, New Zealand exported over half its casein output to the United States (about 35,000 metric tons). For the first 8 months of 1981, U.S. imports of casein from New Zealand were nearly one-fourth below the comparable months of 1980.

The EC subsidizes the manufacture of casein. But in response to rising casein prices in world markets and budgetary problems, the EC reduced its casein aid during the spring of 1980. The lower EC subsidy has helped curtail 1981 casein production in France and West Germany, and those countries are not expected to expand output in 1982. The EC subsidy on casein manufacture is still significant at about \$2,100 per metric ton, or 95 cents a pound. Casein prices currently are around \$3,400 to \$3,500 per metric ton (\$1.55-\$1.60 a pound) delivered to the United States.

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Del. Vegetable Growers meet Jan. 14

NEWARK, Del. — The fourth annual Delaware Vegetable Grower's Meeting will be held Jan. 14-15 at the Sheraton Inn, Dover. As in the past, the Delaware Potato Grower's Association is meeting at the same time and sharing some sessions.

The meeting will start at 8:30 Thursday morning with registration, coffee and Danish, and a visit to trade exhibits. The formal part of the program starts at 9:30 a.m. and will feature a talk by Governor P.S. duPont IV on "Agriculture: A Critical Part of Delaware's Economy."

Other topics to be covered during the general session include "Understanding Credit and how to Make It Work for Your Vegetable Operation," by Bob Miller of the Maryland National Bank; and "The Perishable Agricultural Commodity Act and How It Can Serve You," by Jack Flanagan, P.A.C.A.-U.S. Department of Agriculture.

The afternoon program will be divided into two sections: a general vegetable session and a session for potato growers.

Topics to be covered during the general session include: greenhouses for vegetable plant production, sweet corn insect management, principles of disease control with fungicides, and growing ethnic vegetable crops. There will also be a drip irrigation grower's panel and a presentation on pea and bean seedling diseases and bacterial wilt of cucumbers.

The potato growers will hear reports on Delaware potato variety trials, new developments in Colorado potato beetle control, the potato market outlook, and

minor elements in Delaware soils affecting potato production.

Featured entertainment at the annual banquet Thursday night will be a demonstration by nationally known artist Helen Van Wyk of Rockport, Massachusetts. She has painted people from all walks of life including theater people, lawyers, doctors, industrialists, educators, diplomats, clergymen and farmers. At the

banquet, she will choose a model from the audience and begin to paint, while explaining the art of portrait painting.

The general session on Friday morning, Jan. 15, runs from 8:30 to noon. It will include an update on herbicides for peas, beans, cucurbits and strawberries, plus talks on bees and vegetable production, and designing your irrigation system. Several

presentations will deal with market opportunities for Delaware Vegetable Growers: pick-your-own, supplying the wholesaler, and customer profiles of U-pick and roadside stands. A Virginia vegetable grower will tell how young farmers can overcome marketing obstacles.

The day-and-a-half event is sponsored jointly by the Delaware Potato Growers Association, the

Delaware Vegetable Grower's Association, and the Delaware Cooperative Extension Service. There will be a registration fee of \$5 for those who are not association members. Banquet tickets cost \$15 per person.

For further information or banquet reservations, contact Kent County agricultural agent Ed Kee at 302/736-1448.

Franklin SCS helps 52 landowners solve conservation problems

CHAMBERSBURG — The Chambersburg field office of the Soil Conservation Service has developed conservation plans on about 4,900 acres of Franklin County land with 52 landowners in 1981.

"Any landowner who has problems with drainage, erosion, or needs assistance in determining land use, can request conservation planning assistance through the Franklin County Conservation District," explains John Akers, district conservationist. "These requests are referred to the Soil Conservation Service, and SCS personnel meet with the individual landowner to provide on-site assistance."

A conservation plan includes a soil survey map of the area and an outline of measures or practices that will solve the problem or help the landowner to use soil according to its capabilities.

Those landowners who have recently received planning

assistance are: Matthew Felmlee, Robert Johnson, and Samuel Crider, Metal Township; Ray Caracciolo and Wayne Treible, Fannett Township; Wilbur Burkholder, Greene Township;

Mt. Brook Orchards, St. Thomas Township; Clifford Hawbaker, Hamilton Township; and Garry Hepworth, Southampton Township.

Anyone desiring conservation

planning assistance for the next year should contact the Soil Conservation Service office in Franklin County at 550 Cleveland Avenue, Chambersburg, PA 17201, or telephone 717/264-7013.

Production of small grains up in 1981

HARRISBURG — Pennsylvania's 1981 wheat, oats and barley production was up over 1980, but production of rye was less, according to the Pennsylvania Crop Reporting Service.

Production of winter wheat was 9,720,000 bushels, five percent more than the 1980 crop. The 270,000 acres harvested was eight percent above a year ago. Yield per harvested acre was 36 bushels compared with 37 bushels a year earlier. Oats production, at 20,010,000 bushels, was up five percent from a year ago. Acreage harvested was 345,000 acres with an average yield of 58 bushels per acre.

Barley production in 1981 was 4,104,000 bushels, up nine percent from last year. Acreage harvested was 76,000 with average yield at 54 bushels per acre. Rye production was 363,000 bushels, down 16 percent from last year. Acreage harvested was 11,000 acres with an average of 33 bushels per acre.

Pennsylvania farmers have seeded 235,000 acres of winter wheat for the 1982 crop, down 16 percent from a year earlier. Winter wheat production for 1982 is forecast at 7,755,000 bushels, down 20 percent from 1981. Pennsylvania farmers seeded 60,000 acres of rye for all purposes in the fall of 1981,

up nine percent from the previous year.

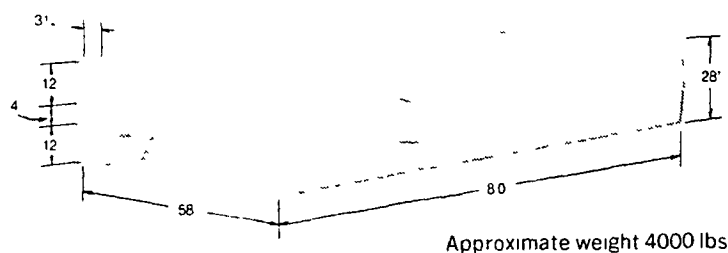
United States production of all small grains was up in 1981 compared with 1980. Production of winter wheat totaled 2.1 billion bushels, 11 percent more than last year's 1.9 billion bushels. United States oats production was 508.1 million bushels, 11 percent more than in 1980. Production of barley totaled 478.3 million bushels, up 33 percent from a year ago. U.S. rye production was 18.6 million bushels, up 13 percent from 1980.

Farmers in the U.S. seeded 66.3 million acres of winter wheat for the 1982 crop, one percent more than last year's 65.9 million acres.

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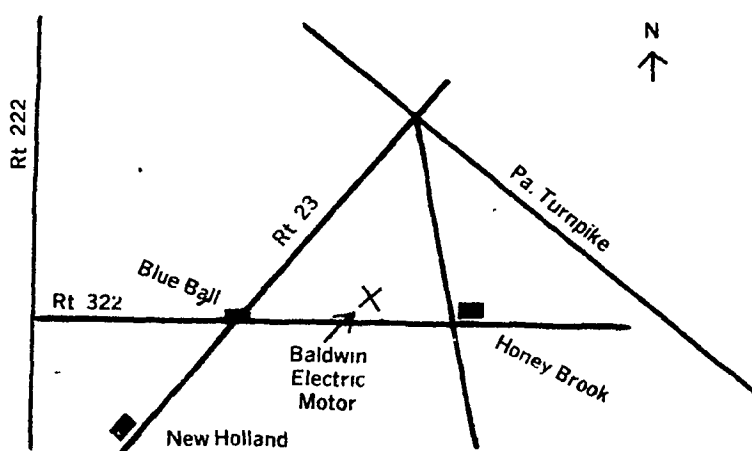
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1 1/2	145T	7/8	L-3514TM	212.00
2	182	7/8	L-3611M	270.00
2	182T	1-1/8	L-3605TM	270.00
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Berks hosts conservation contractors workshop

LEESPORT — A conservation equipment operators meeting, sponsored jointly by the Berks Conservation District and the Soil Conservation Service, has been scheduled for January 29, 1982 according to Roy Shryock, con-

servation technician. The meeting is scheduled at the Agricultural Center from 9 a.m. to 3 p.m. with luncheon provided.

The planned program will have an update of conservation practice specifications, safety presen-

tations, a review of ACT 285 on utilities and a Pa. Land Improvement Contractors Assn. presentation. Shryock says the new pond policy of the conservation district will be explained.

"This meeting is an opportunity for equipment operators to learn new techniques, swap ideas and renew acquaintances with other operators," he says. "It also gives an opportunity for technicians and soil conservationists to get to know the operators and help them do their planned conservation practices."

Anyone desiring additional information about the meeting or any other conservation problems should contact the Berks Soil Conservation Service at the Agricultural Center or call 215/372-4655.

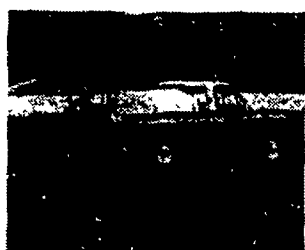


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Lancaster announces ASC election results

LANCASTER — Farmers recently selected representatives in their respective communities to serve as committeemen for the Lancaster County Agricultural Stabilization and Conservation Service during the ASC elections.

These community committeemen are a vital link with farmers. Their function is to inform farmers about ASCS programs, remind neighbors of signups, referendums, and deadlines, and assist in local problem cases when requested. The length of term for community committeemen is one year.

The community committeemen serve as a delegate to the county convention to select the county committee which serves a three year term. LeRoy H. Welk, Route 4, Quarryville, was reelected to serve another term on the three-member county committee. Paul Kline, Brunnerville Road, Lititz, and David H. McMichael, Route 6, Lancaster, will continue to serve their unexpired terms as chairman and regular member respectively.

The County Committee is responsible for administering the assigned ASCS programs, and forseeing that the day to day operations are carried out effectively, efficiently, and impartially. Their task is similar to

that of a board of directors of a cooperative or other organizations. Ray Brubaker, County Executive Director of ASCS reports the following election results:

County Committee
Chairman Paul B. Kline, Lititz, Vice Chairman, LeRoy H. Welk, Route 4 Quarryville, Regular Member, David H. McMichael, Route 6 Lancaster, First Alternate Harold Grant, Route 3, Quarryville and Second Alternate Samuel H. Kreider, Route 1, Quarryville

Community Committees
Community No. 1
Conoy, West Donegal & Mount Joy Townships
Victor F. Dohner, Route 1, Elizabethtown, Paul M. Wolgemuth, Route 3, Elizabethtown, J. Richard Snavely, Route 3, Elizabethtown, Samuel M. Snyder, Route 1, Elizabethtown, Harvey W. Espenshade, Route 4, Elizabethtown

Community No. 2
East Donegal & West Hempfield Townships
Donald C. Drager, Route 1, Marietta, Harold W. Ney, Route 1, Marietta, Lewis E. Bixler, Route 1, Marietta, Kenneth E. Zurn, Route 3, Mount Joy, Paul S. Snader, Lancaster

Community No. 3
Rapho Township
Albert Breneman, Route 2, Manheim, Robert L. Brubaker, Route 2, Manheim, Paul N. Newcomer, Route 3, Mount Joy, Earl Swarr, Route 2, Manheim, Dennis C. Shellenberger, Route 2, Manheim

Community No. 4
Penn. Warwick & Elizabeth Townships
Forney F. Longenecker, Lititz, Ronald E. Kline, Lititz, Harold B. Kreider, Lititz, H. Benjamin Snavely, Route 1, Lititz, Roy H. Garber, Route 3, Lititz

Community No. 5
East Cocalico, West Cocalico, Brecknock & Clay Townships
Walter Augsburg, Route 1, Reinholds, Mahlon Eberly, Route 2, Denver, James W. Martin, Route 1, Stevens, David D. Zimmerman, Route 1, Reinholds, Earl E. Martin, Route 1, Ephrata

Community No. 6
Caernarvon, East Earl, & Earl Townships
Nelson E. Weaver, Route 1, New Holland, Walter Clair Martin, Route 2, New Holland, Eugene S. Eberly, Route 2, New Holland, Eli S. Eby, Route 1, New Holland, Herbert L. Mast, Route 1, Morgantown

Community No. 7
West Earl & Upper Leacock Townships
Luke Ray Zimmerman, Route 4, Ephrata, Robert E. Martin, Route 3, New Holland, LeRoy H. Martin, Route 2, Ephrata, John R. Groff, Leola, John J. Landis, Leola

Community No. 8
Salisbury & Leacock Townships
Raymond M. Hoover, Route 1, Gap, Chester R. Eby, Route 1, Kinzers, Fred G. Seldomridge, Jr., Route 1, Gap, Jacob I. Kreider, Route 1, Kinzers, Melvin J. Martin, Route 1, Box 65, Gap

Community No. 9
East Lampeter West Lampeter, & Lancaster Townships
Kenneth B.

Nelson Harnish, Route 1, Willow Street, Glenn P. Book, Lancaster, Arthur L. Breneman, Route 1, Willow Street, J. Robert Esbenschade, Lancaster

Community No. 10
Manheim & East Hempfield Townships
James E. Kettering, Route 7, Manheim, Nelson L. Rohrer, Lancaster, Earl N. Landis, Route 7, Manheim, Lester E. Landis, Jr., Route 3, Lititz, Lynn H. Royer, Lancaster

Community No. 11
Manor, Conestoga & Pequea Townships
J. Clayton Charles, Route 2, Lancaster, J. Robert Kindig, Route 1, Conestoga, Nelson R. Habecker, Route 2, Lancaster, Carl Harnish, Route 6, Lancaster, J. Robert Musser, Lancaster

Community No. 12
Eden, Bart, & Sadsbury Townships
Harold Grant, Route 3, Quarryville, Lloyd H. Walk, Quarryville, Kenneth Stoltzfus, Route 1, Christiana, J. Kenneth Landis, Route 2, Christiana, G. Preston Lefevre, Jr., Route 3, Quarryville

Community No. 13
Strasburg & Paradise Townships
J. Edwin Rohrer, Route 1, Paradise, Richard W. Barge, Route 2, Ronks, James W. Bowman, Route 2, Ronks, James C. Landis, Route 2, Ronks, C. Melvin Neff, Route 2, Ronks

Community No. 14
Martic, Providence, Drumore, & East Drumore Townships
Samuel H. Kreider, Route 1, Quarryville, Robert S. Smith, Route 1, Drumore, Wilmer P. Bolton, Route 1, Holtwood, E. Benjamin Shank, Route 2, Holtwood, J. Scott Wolf, Route 2, Quarryville

Community No. 15
Fulton, Little Britain, & Colerain Townships
G. Victor Brington, Route 1, Peach Bottom, Fred W. Crider, Route 2, Nottingham, A. Dale Herr, Route 1, Kirkwood, Donald B. Trimble, Route 2, Peach Bottom, Jay L. Rank, Route 2, Peach Bottom

Pennsylvanians comment on USDA conservation program

HARRISBURG — Nearly 1,200 people in Pennsylvania have mailed their responses on the proposed National Soil and Water Conservation Program outlined by the U.S. Secretary of Agriculture, reports Graham T. Munkittrick, state conservationist, Soil Conservation Service.

When the review period ends on January 15, the responses will be

summarized and a report prepared for Secretary Block.

SCS has been designated to collect comments in Pennsylvania. The mailing address is Box 985, Federal Square Station, Harrisburg, PA 17108.

While SCS won't begin summarizing the comments until after January 15, Munkittrick noted the responses are coming from all parts of the state.

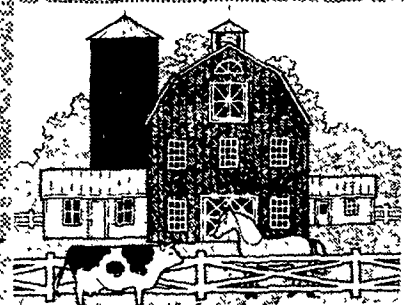
"I'm pleased with the number of responses we have received so far," Munkittrick said, "but I expect and welcome more. It's not too late to comment." During a review of earlier drafts, more than 2,700 people in the State responded.

The main features of the proposed national conservation

program are increased roles for local and state governments in conservation work and targeting a greater portion of USDA dollars and staff to critical soil and water resource problem areas.

The program is the USDA response to the Soil and Water Resources Conservation Act of 1977 (RCA). SCS and the Agricultural Stabilization and Conservation Service offices throughout the state have a supply of the leaflet that summarizes the program and that contains a pre-addressed, postage-paid response form.

The offices also have a reference copy of the full report of the program and draft environmental impact statement.



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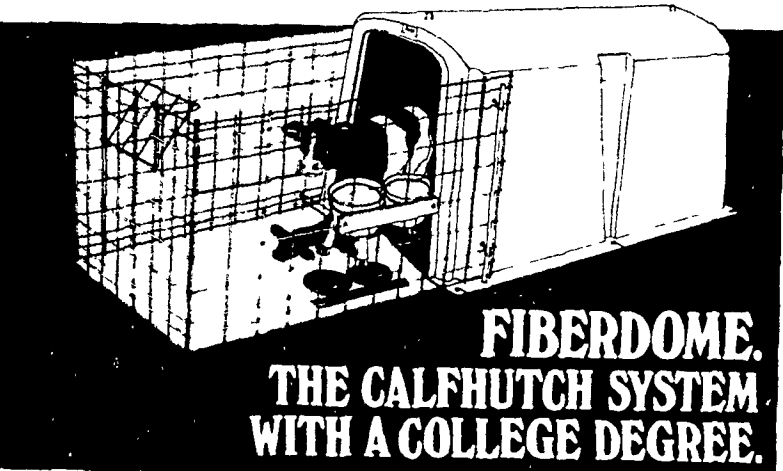
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New no-till booklets available for Md. farmers

COLLEGE PARK, Md. — Two no-tillage "primers" for corn and soybean production have just been added to the inventory of free publications available from county offices of the Cooperative Extension Service throughout Maryland.

One is titled 12 Key Steps to Profitable No-Tillage corn Production (Agronomy Mimeo No. 33); the other is 10 Key Steps to Profitable Double-Cropping No-Tillage Soybean Production (Agronomy Mimeo No. 48).

Both publications came off the presses in November. They are being made available free to Maryland farmers attending county and regional winter educational meetings sponsored by the Cooperative Extension Service for crop farmers around the state.

Five Extension specialists and research workers from the University of Maryland's agronomy department at College Park were involved in preparation of the no-tillage mimeos.

Three of them spoke at the recent five-county Southern Maryland Crops Conference held recently in Mechanicsville. They were James R. Miller, agronomy

department chairman; V. Allan Bandel, Extension soils specialist, and Ronald L. Ritter, Extension weed control specialist.

Miller devoted most of his presentation at the southern Maryland educational event to reviewing basic concepts of no-tillage grain production, as spelled out in the two recently published mimeos. He emphasized that "you have to do things right when you use no-till crop production."

For instances, lime application is even more important with no-till than with conventional tillage. A pH (measure of soil acidity) of 6.5 is imperative for no-till corn production in order for surface-applied herbicides to be most effective.

Miller commented that no-tillage work got under way about 20 years ago on the University of Maryland research farms. He admitted that "15 years ago, we really did not know how to grow no-tillage corn. One problem was that we let the rye cover crop get too high. Now we know that it should be killed (with herbicides) at about 18 to 30 inches in height, before the corn emerges."

(Turn to Page A20)



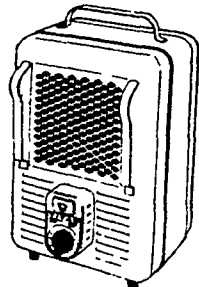
Double-cropped Essex soybeans stand like rows of soldiers in barley stubble on the Eastern Shore. In 1976 about 25.5 percent of Maryland's 290,000 acres of soybeans were produced in this fashion by the no-till method.

By 1981, the figure had risen to an estimated 35 percent on 360,000 acres, according to William J. Kenworthy, associate professor of agronomy at the University of Maryland in College Park, PA.

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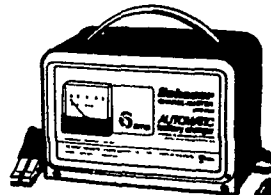
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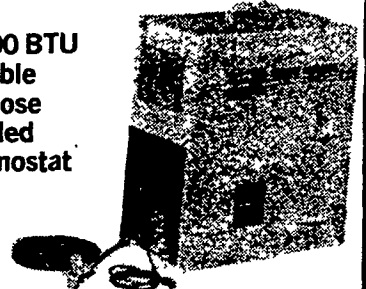
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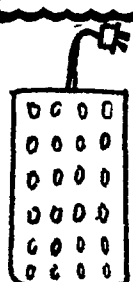
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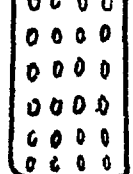
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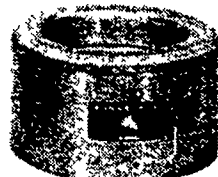
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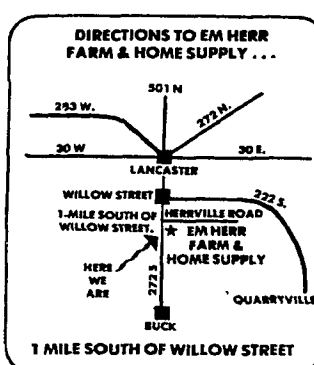
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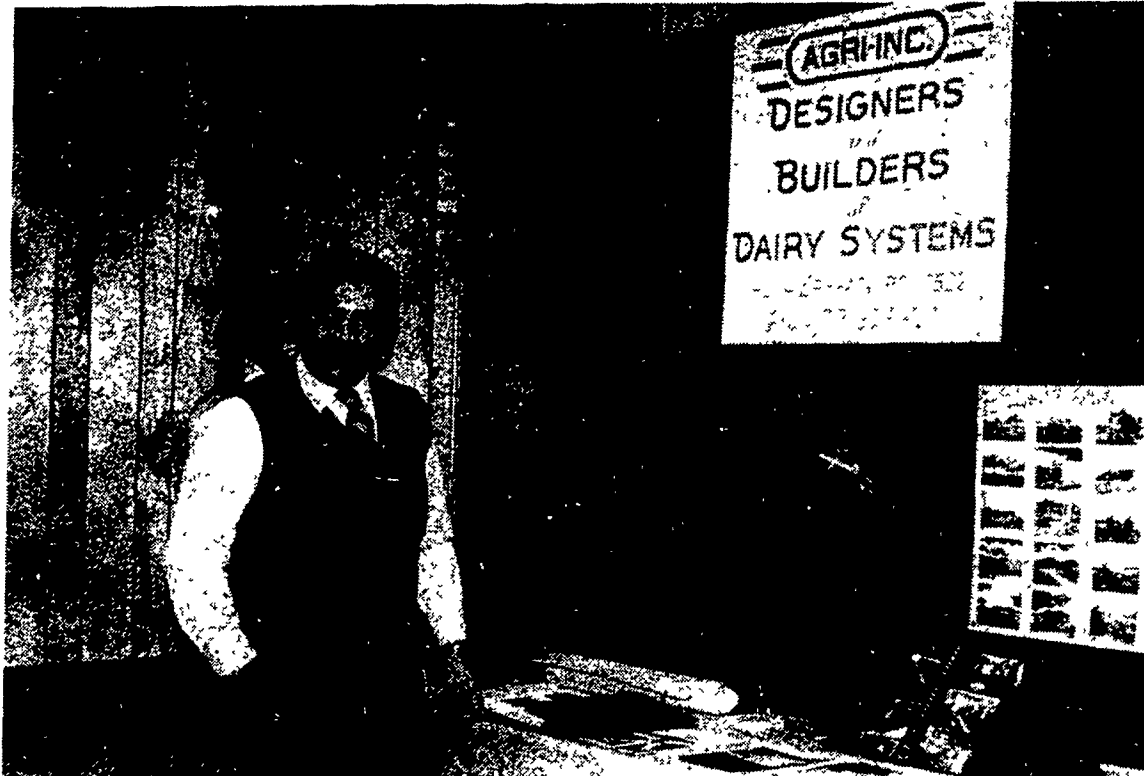


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Dairyman counts down recent takeoff of space



Joe Zook of Agri-Inc., designers and builders of dairy systems, was one of 24 commercial exhibitors to attend the Franklin County Dairy Day.

BY BETH HEMMINGER
Staff Correspondent

CHAMBERSBURG — Farmers have entered the space age. Gone are the days of simple budgeting, buying machinery with hand-held cash and milking a mere 20 head of cows. Today, farming is a multi-million dollar business.

Franklin County farmers were on hand to obtain first-hand information about the 'space age' technology designed to benefit each and every farmer during the County Extension Dairy Day, held here last week.

Eugene Barton, superintendent of records of the American Jersey Cattle Club, spoke to the audience of two-hundred. He said the agriculture industry has been utilizing computers since the 1950s. The Dairy Herd Improvement Association was the first agriculture organization to store records in a data processing system.

The United States Department of Agriculture was the next agriculture organization to board the bandwagon of the computerized age in 1960s. They (USDA) like DHIA also process their records and evaluations

through a data processing machine.

Barton noted, "The business world has entered the information age revolution during the last 20 years. And during that time data processing capacity has doubled every three years coupled with a decrease in costs." Like other agricultural businessmen he said he believes the computer will be the tool of the future for large companies, small businesses and on-the-farm management.

Barton explained many of the general applications of the computer for farm use. First, he said, everyone must understand a computer is not a mystical machine, it is only a tool that can store a large amount of information and summarizes the data in a timely accurate fashion.

Barton suggested the first question every farmer must ask before making a computer investment is "will the computer be cost effective in my operation?" But, "every farmer must realize the strong commitment needed to make any computer system work," Barton stressed.

Introduction of microcomputer technology has brought a new tool

to the farm. However, the machine has a foreign language that needs defined.

"Hardware" in language means the physical equipment that one touches and move about. He stated that the type



Stray electrical voltage is a main concern of Steve Spencer, Pennsylvania Extension dairy specialist.

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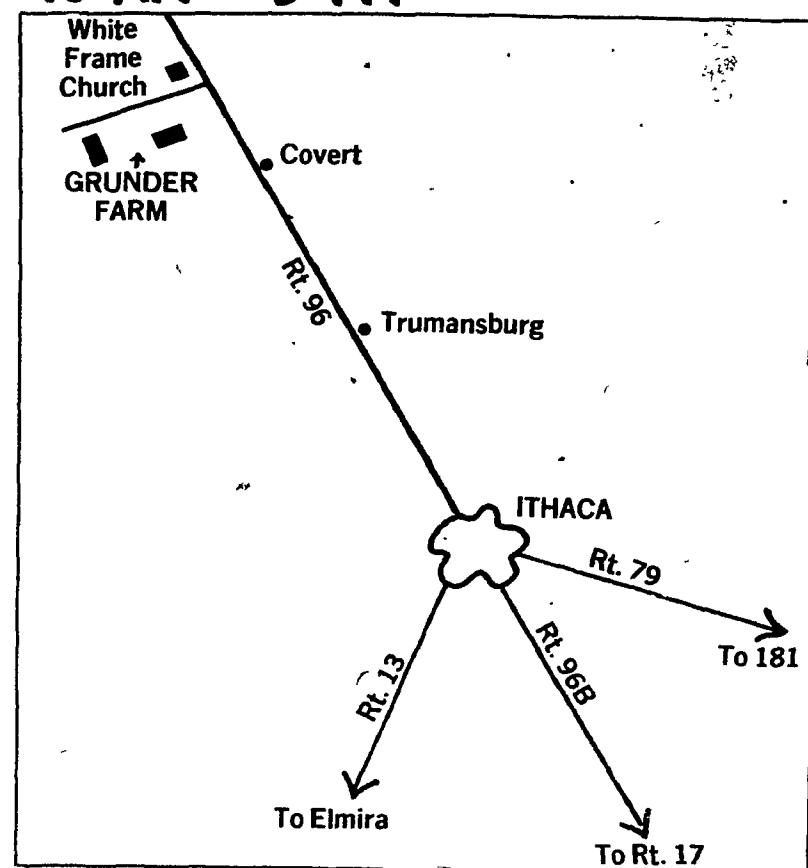
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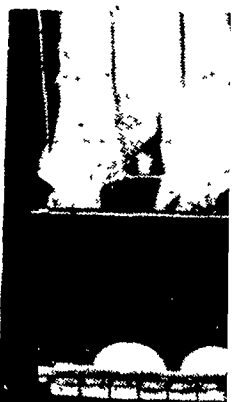
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d, "The business red the information during the last 20 ing that time data acy has doubled ars coupled with a osts." Like other isnessmen he said e computer will be e future for large all businesses and inagement.

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of microcomputer brought a new tool

to the farm. However, this new machine has a foreign language that needs defined.

"Hardware" in computer language means the physical piece of equipment that one can look at, touch and move about. Barton stated that the typical farm



Stray electrical voltage is a main concern of speaker Steve Spencer, Penn State Extension dairy specialist.

microcomputer system consists of a printer for report printing, a "central processing unit" (CPU) to manipulate the data, disk drives for storage, a typewriter keyboard and television screen (CRT) for entering and reviewing data.

"Hardware" is a useless tool by itself, explained Barton. Like a tractor it is not a useful tool until an implement is attached to it. This needed implement for the computer is called "software".

"Software" is a set of instructions called a program stored on a disk or tape that the processing unit uses to add, subtract, multiply, divide, sort and print information the operator, in this case the farmer, puts into the computer.

"Software is the single most important item in any computer system," said Barton. "Without software," he said, "a computer is useless."

For agriculture purposes, said Barton, the "hardware" is easy to buy in comparison to "software."

"In agriculture, software has a big limitation — it is scarce," he said. He explained that there are few programs on the market that are applicable for the farmers

need, therefore, "software" can be very expensive.

Barton stated, "A good rule of thumb to follow when calculating the cost of the total system is that the 'hardware' will cost approximately 20 percent while 'Software' and installation totals the other 80 percent.

Small dedicated micro-or mini processors are used most by the farmers, said Barton. These dedicated computers are programmed to do one job according to their "software" program, from recording milking statistics to budgeting and projecting for next year's grain supplies.

Every farmer needs to project costs and returns. Some farmers do their projections manually, some have the help of an accountant and recently others have been using the microcomputers.

Barton gave examples of other useful ways the computer can be used on the farm.

The computer can be used to develop budgets that the farmer can change and update with the varying economic conditions and

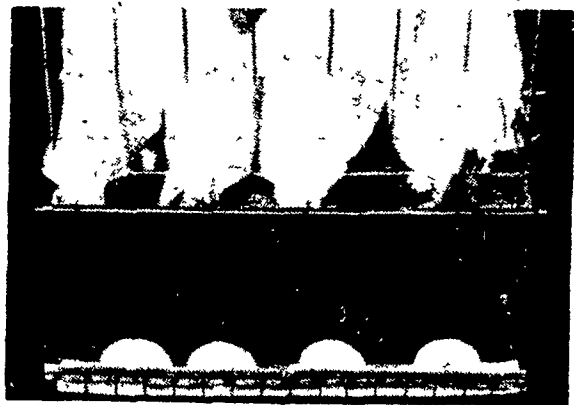
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Eugene Barton, superintendent of record, American Jersey Cattle Club, left, discusses the use of farm computers in the dairy industry with an interested farmer at last week's Franklin County Dairy Day.

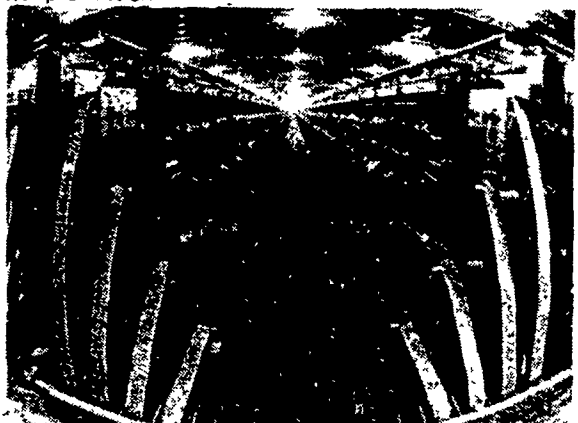
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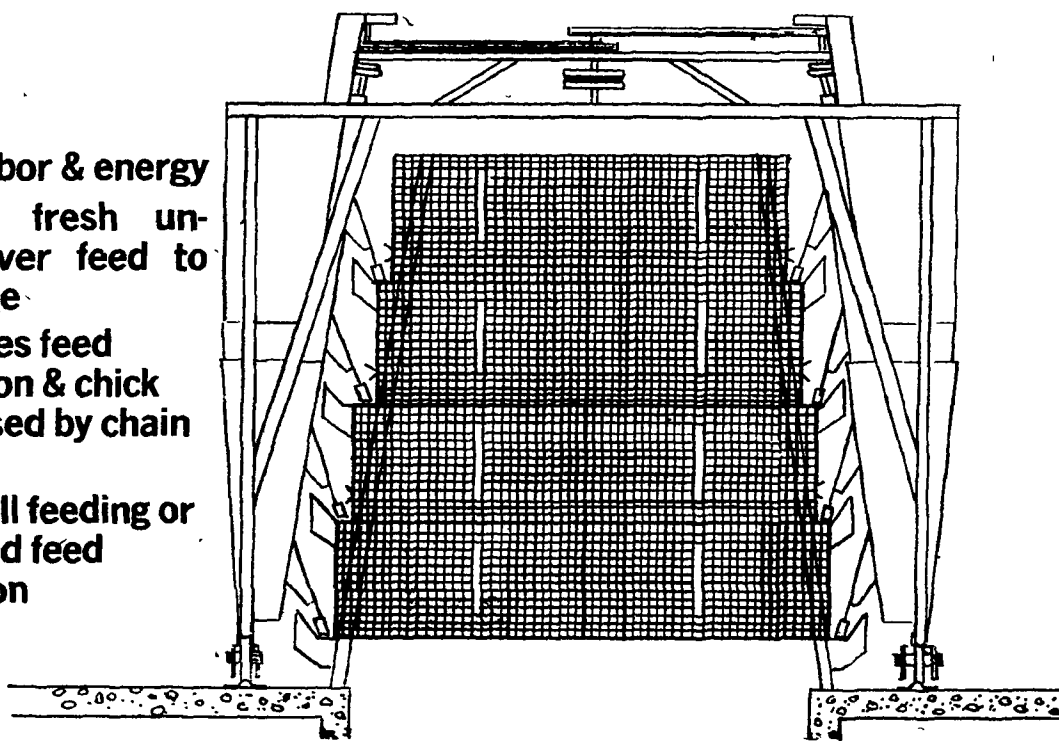
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No-till booklets

(Continued from Page A17)

Miller noted that no-till corn has approximately a 10-day advantage over conventional corn before drought stress starts showing. "Even die-hard environmentalists like the moisture-holding and erosion-resistant mulch that you build up in a no-till cropping situation."

Over-all, no-till corn in Maryland has about a 25 bushel-per-acre yield advantage over conventional corn, Miller declared. This advantage usually increases in dry summers like 1981 and decreases in wet summers like 1979.

He reported that, in a recent five-year study at the University of

Maryland's Poplar Hill research farm, no-till corn outyielded conventional corn in every year except 1979.

This year, seven of the top 10 yields by members of the Kent county corn club came from no-till fields. Similarly, a five-year comparison of yield results from county corn clubs in Maryland shows a definite advantage for no-till.

However, the same comparison for soybean clubs showed no significant difference in top soybean yields achieved by either conventional or no-tillage methods.

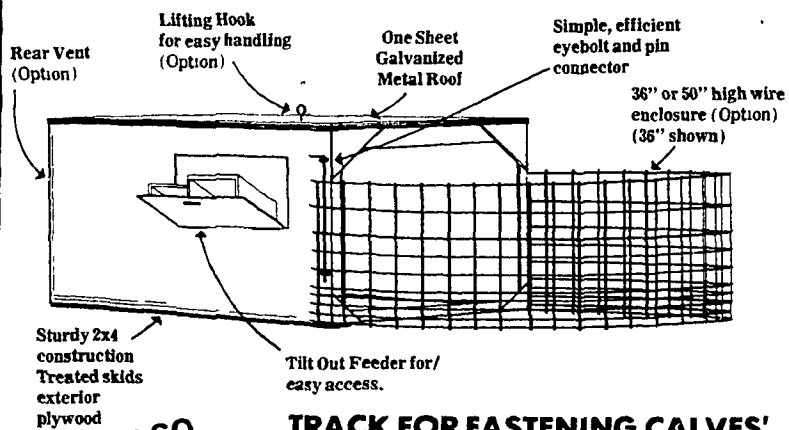
This is because no-tillage soybeans are nearly always double-cropped in the same season with small grains, Miller explained. Thus, they are normally planted later than soybeans grown by conventional tillage methods.

A recent six-year double-cropping research study at the Poplar Hill farm, however, showed an average 4.5 bushel-per-acre yield advantage for no-till



Paul R. Stafford, an agricultural technician for the University of Maryland, checks sturdy cornstalks on no-till corn at the University's Wye Institute agronomy research farm on the Eastern Shore. No-till mulch beneath Stafford's feet, retains moisture and helps to minimize drought stress. No-till corn also has been found to be more resistant to lodging than corn grown by conventional tillage methods.

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1982 Delmarva dairy, livestock seminars coming

NEWARK, Del. — The 1982 Delmarva Dairy and Livestock Seminars will be held at the Sheraton Inn, Dover, on two days this winter—January 25 and February 4. Both sessions will last from 9 a.m. to mid-afternoon.

The program on Monday, January 25, will feature a talk on "Protein Solubility and Energy Needs" by University of Illinois Extension dairyman Mike Hutjens. Meyerholtz of the U.S. Department of Agriculture will discuss preventing losses from scour-causing viruses and bacteria in baby calves. And Richard Er-

dman, ruminant nutritionist at the University of Maryland will give an update on anhydrous ammonia and feeding residues. There will also be an update on current research at the University of Maryland by Richard Davis.

On Thursday, February 4, University of Delaware Extension dairy specialist George Haenlein will report on current dairy research at Delaware. His talk will be followed by presentations by three University of Maryland speakers. Forage specialist Les Vough will present an alfalfa and small grains forage update. Weed specialist Ron Ritter will discuss weed control in alfalfa and small grains. And agricultural engineer Herb Brodie will present a manure management update.

soybeans following barley as compared with soybeans planted in the conventional manner following barley in the same growing season.

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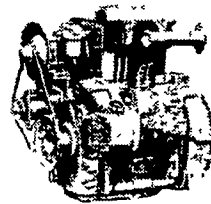
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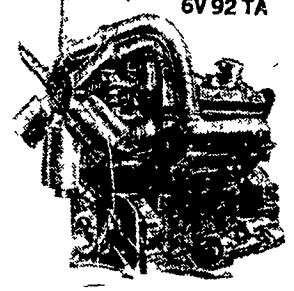
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N.Y. Beef Cattle Assn. meets Jan. 9

UTICA, N.Y. — A trade show, a talk about "selling the sizzle" with effective beef merchandising, and the naming of the "Cattleman of the Year" will highlight the annual meeting of the New York Beef Cattlemen's Association Jan. 9 here at the Sheraton Inn.

Committees of the statewide organization will convene Jan. 8 for a series of meetings to prepare plans for 1982 activities and to complete reports of 1981 projects.

The annual membership meeting of the New York Beef Cattlemen's Association will be convened at 9:30 a.m. Jan. 9 by president George Moore of Geneva. The New York CowBelles will be holding its annual membership meeting at the same time. Both groups will elect officers during these sessions.

The two groups will join for a noon luncheon and the afternoon session to hear Robert D. Mertz, Beef Council market development specialist of the National Livestock and Meat Board. His topic will be "New Direction for Greater Demand."

Mertz will stress the need to take the "red meat story" to both consumers and industry people. He is expected to discuss ways to develop effective beef merchandising to meet the needs of the consumer such as the "Beef-in-a-Bag" program which enables consumers to buy beef in bulk quantities. He is expected to also review briefly the findings of the September 1980 International Meat Research Congress at Colorado Springs in which the principal scientists did not dispute the value

of a balanced, varied diet including foods from the meat group.

The "Cattleman of the Year" award will be made along with a new "Service Award" to a person who is not a cattleman but who has contributed much to the state's beef industry. The 4-H member with the top beef project for 1981 will be honored as will the winner of the New York Beef Cattlemen's Association 1981 membership contest.

Arnold Schonberg of Iliion has coordinated the first industry Trade Show which will be open both Jan. 8 and 9 with ample time allotted Jan. 9 to visit the exhibits.

Participants include Baker Lightning Rod of Webster; Ag-Bag of Clyde; Daken High Tensile Fence, Elam Schwartz of Earlville; Hoffman Seed Co., John Rice of

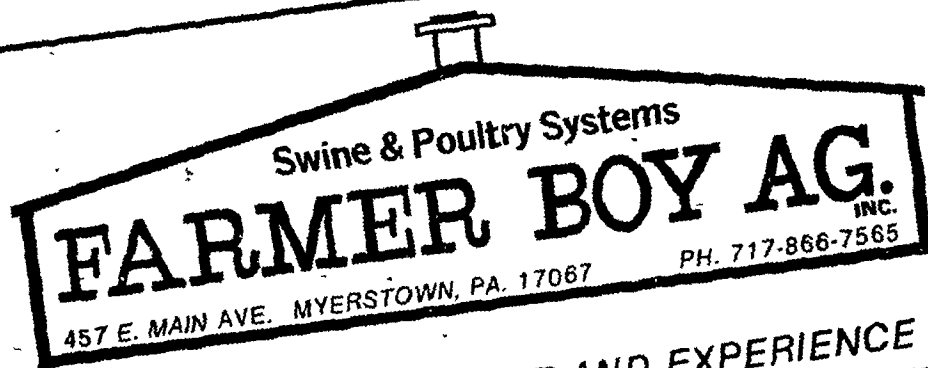
Canastota regional manager; Elanco-Rumensin, Donna Conner of Tully; Tudor and Jones Farm Implements of Weedsport; Morton Buildings of Homer; W.J. Bokus Industries, concrete silos of Weedsport, and "Country Folks".

The New York Beef Cattlemen's Association and New York CowBelles will have a display and cattleman/artist Roy Bannister of Kent will have an exhibit of his paintings.

A variety of door prizes will be awarded throughout the annual meeting. These have been contributed by Hoffman Seeds of Landisville, Pa.; The Northeast and Alexander regions of Wayne Feeds; Elanco, "AgReview", Blue Seal Feeds, Agway of Canisteo, Bill Greene of Ithaca, Scotchwater Farm of Clarence, and Mr. and

Mrs. Thomas Patton of Bainbridge.

The Central Division of the New York Beef Cattlemen's Association is hosting the annual meeting. Information and reservations may be obtained by contacting the Association executive secretary Robert Good of Rt. 1, Butler Rd., Perry, N.Y. 14530.



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We are hopeful about what 1982 will have in store for all of us. Our wish is that we will be included in your plans for expansion.

The staff at Farmer Boy Ag wishes you health, happiness and prosperity.

Sincerely,
Leon, Larry, and Staff



Farm Talk

Jerry Webb

Promises of parity?

Local farmers face some pretty hard times this winter as they try to market their crops and get ready for another year. Prices are down for their produce, costs of production are up, and the idea that farmers may not be getting a fair deal starts to spread.

Anytime you talk about fair deals or equity, the concept of parity is reintroduced. It's been around so long that it's part of the legend of agricultural policy and yet I doubt that many of the folks who talk about it have more than an inkling of what it's about.

So let's take another look at this old idea.

Farmers want it, politicians

promise it, economists measure it, farm critics disdain it, columnists write about it. We haven't had it since 1952, and chances are good we will never have it again. Yet when some farm groups meet, they sound as though the whole American economic system will come crashing down unless parity returns to agriculture.

But what is parity? For an understandable answer I'm borrowing heavily from the writings of Iowa State University economist Wallace Ogg, who says parity is an idea of economic justice that is becoming more and more meaningless and confusing.

Simply stated, parity is a

measuring stick that attempts to establish how well off farmers are compared to how well off they were at some time in history.

Here's a textbook definition for any purists who may be reading this — Parity is a relative concept that expresses current prices received by farmers as a ratio to prices paid in terms of the same ratio at some time in the past.

The formula for figuring this was fixed in the old "Triple A" law of 1933. The lawmakers looked clear back to 1910-14 for a period of time they felt was a good one for farmers. The idea was that farm people should get as much for the work they do as people in any other walk of life who do a like amount of work. When they are getting this, parity was 100. When they weren't getting a "fair share" parity was less than 100.

As long as the figure was below 100, farmers felt they were getting a raw deal. And they had the 1933 law to support them.

So parity became a weapon that farmers and farm groups used to

club politicians and Uncle Sam into trying to improve their situation.

Parity is still computed, quoted and debated. But Ogg says it is of small value. Too many changes have come to agriculture since 1910-14. A formula written in 1933, based on farm life more than a half-century ago just won't do — assuming it worked even in 1933.

When you think about the things farmers bought in 1910 and what they buy today, you realize what an inaccurate measuring stick parity is. The price of today's

tractor (which hardly existed 50 years ago) would have bought a whole farm in 1910. The labor requirements of the early 1900s were so different they almost defy comparison.

So, in fact there's little to compare between farming now and 50 years ago. And to use a word like parity and the number of points below 100 that are associated with it, to try to change what's happening on U.S. farms today is an exercise in futility.

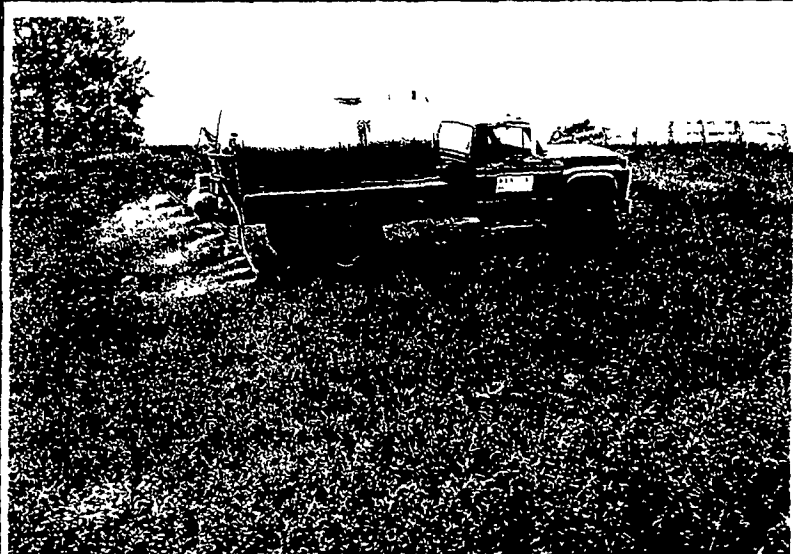
Dairy committee sets referendum hearings

HARRISBURG — The Pennsylvania Dairy Promotion Advisory Committee which recently finalized a draft proposal for a statewide milk referendum, has announced the sites for four public hearings to be held in February.

The hearings will be held Feb. 5

in Hazleton at Genetti's Best Western Motor Lodge, Feb. 8 in State College at the Keller Conference Center, Feb. 9 in Lancaster at the Farm and Home Center and Feb. 10 in Warrendale at the Holiday Inn.

All hearings will begin at 1 p.m.



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Conservation District reaffirms hazardous waste opposition

LEOLA — Directors of the Lancaster Conservation District reiterated their opposition to the proposed location of a hazardous waste disposal facility on the site of the Narvon mine at their monthly meeting on Tuesday.

The directors reaffirmed their continuing opposition to the proposed facility in light of published reports that only one member of the so-called Public Participation Committee organized by the facility's proponents is against its location on the mine site.

"The board is not changing its position of opposing the proposed facility," both Chairman Aaron Stauffer and Vice Chairman Amos Funk stressed at the session.

"We've taken enough into this county," Funk said, in reference to the hazardous waste site.

The county is one of the most concentrated, and richest of agricultural areas, he said. In addition, it's one of the largest and busiest tourist areas, as well as the third fastest developing county in the state, he continued.

There must be a limit on the

pressures that are being put on agriculture, he explained.

Tuesday's monthly meeting in the Leola Family Restaurant was a dinner session with representatives of various state and federal agencies with which the Conservation District cooperates in its various programs.

Other matters covered at the session:

—Officially reported the formal approval of an additional \$700,000 received for the Rural Clean Water Program in the headwaters areas of the Conestoga River. These funds, bringing the total program to \$2.6 million, will be used for equipment to monitor the water quality in the area.

—Expressed interest in seeking more information on possible participation in a proposed statewide evaluation of erosion control programs and progress.

—Questioned a representative of the Clean Water Division of the State DER on what can be done concerning the construction of deep manure pits which can possibly contaminate ground water. The directors were specifically concerned with a 16-

foot-deep pit constructed for a 500-sow operation. The DER representative explained that the department only can become involved after the contamination occurs.

—Heard a report from a representative of the Farmers Home Administration that some different guidelines have come through on the federal pilot program to help young and part-time farmers.

It was explained that the program will only provide advisory assistance to young and part-time farmers who are interested in becoming fulltime operators. It will be a no-cost program to the federal government, with expenses limited to tightly controlled mileage expenses.

Consensus was that the program was likely a good idea but one that will be difficult to implement.

—A representative of the Extension Service reported that one of the most prevalent pollution problems is concerned with seepage from silos that is contaminating wells as far as a half-mile away.

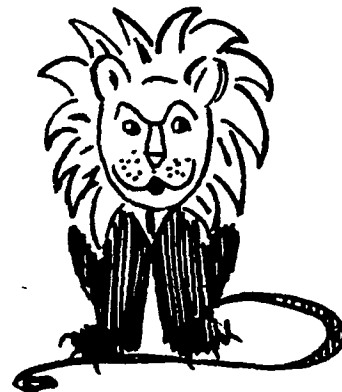
—Heard a report that some 10,200 acres of woodland will be sprayed by the state next year in Lancaster County to combat the gypsy moth. Forest damages from the gypsy moth were described as expecting to be "monumental" next year.

—The district decided to get 100 pounds of crown vetch seed which was harvested by PennDot off its

medial strips. Cost to the District is \$2 a pound.

—Announced the seedling sale is planned for April 17 and approved the planning of another field tour for the coming year.

—Relected Stauffer and Funk to their chairman and vice chairman posts.

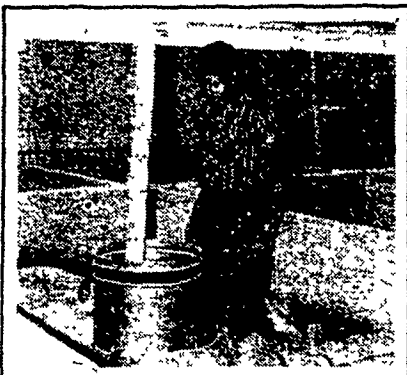


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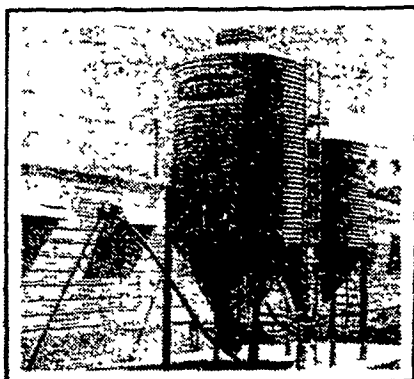
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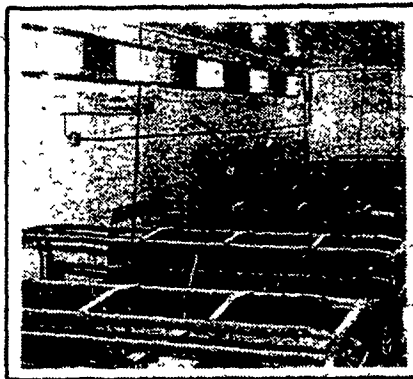
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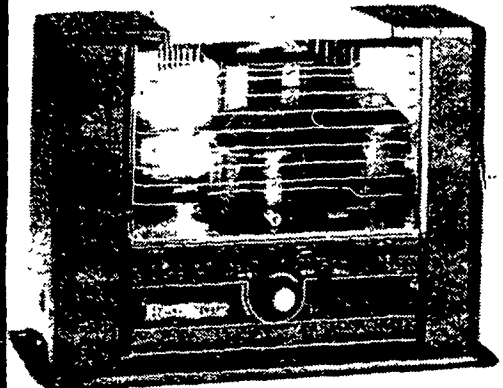


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High farmland prices, interest rates change Md. dairy industry

COLLEGE PARK, Md. — A combination of high farmland prices and high interest rates is causing Maryland dairy farmers to look more closely at the alternative of renting land when they expand dairy operations.

According to John Wysong, an agricultural economist with the Maryland Cooperative Extension Service, the dairy industry has been changing rapidly since the late 1950s. Wysong said that the results of a twenty year study that began in the Central Piedmont area (Frederick, Carroll, Baltimore, Harford, Howard and Montgomery counties) in 1956 shows a significant change in farm ownership and land use patterns.

Farm size increased from 195 acres to 367 acres per farm during the twenty year study as the number of farms fell from 203 to 73 in the area of the study. Wysong said, "Land for farm expansion and business consolidation came largely from farms that stopped producing milk. If a dairyman died, the dairy operation may have been sold to settle the estate, or a dairy operation may have been so small that the owner decided against the capital investment

necessary to increase the size and became employed off the farm.

"In either case, the farmland and buildings were available to a neighboring dairy farmer who could increase his profits by expanding his operation without making a large investment in land."

At the beginning of the study, 60 percent of the farms reported "no rented land." By 1970 only 19 percent remained in the "no rented land" category. The rented land used by the average dairy farm increased from 30 to 58 percent of all land operated during the study. Therefore, the proportion of owned land dropped from 70 to 52 percent.

Dairy herds of 10-40 cows were either being dispersed because they did not generate enough income, or the herd size was being increased to increase profits. During the twenty year period herd size increased from an average of 36 cows to 85 cows.

Wysong pointed out that the latest Census of Agriculture for Maryland shows a decline in the number of herds of 10-99 milk cows between 1974 and 1978. The number of herds in this group dropped from 1,874 to 1,477. Farms with 100 or

more milk cows increased from 293 to 324. Maryland also had 784 farms with from 1-9 cows in 1978.

"Maryland dairy farms have become larger and fewer in number with greater investment in land and more rented land in the

last twenty years and apparently the trend is continuing," said Wysong. He added, "High interest rates combined with high market valuation of farmland makes carrying charges almost prohibitive for young farmers and

even established dairy farmers. Rented land as an expansion alternative will continue to be used, not only by Maryland farmers but by farmers throughout the country."

Pa. Dairymen's Assoc. features energy expert

CAMP HILL — Efficient energy for farms will be the topic of the Pennsylvania Dairymen's Association annual meeting on Tuesday, January 12. The meeting will be held at 6 p.m. at the Penn Harris Motor Inn, Camp Hill.

Rodney Martin, director of Farm Systems, Research and Development of Agway, Inc., will discuss the potential for both efficient use of energy and dollar savings related to the farm house as well as the barn.

Some of Martin's research indicates that many dairy farms can eliminate the need for purchased energy to heat water. Work at the Farm Research Center shows that

a combination of selected temperature cleaning and low temperature detergents and heat exchangers are effective means of providing hot water.

Martin has also conducted research on Bio-gas production as well as utilization and will share an

up-to-date progress report on that work.

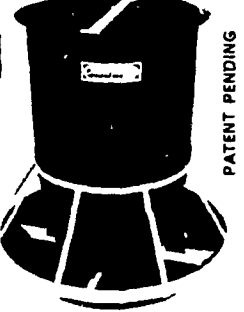
For more information on the annual meeting or the organization itself, interested parties may contact the Association's office at Box 458, Camp Hill, 17011-717-938-5404.



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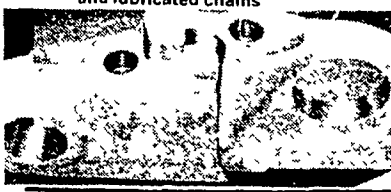
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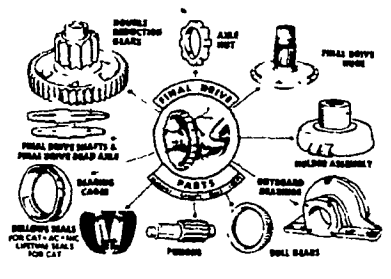
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China, U.S. to exchange scientific team in '82

WASHINGTON, D.C. — China and the United States each will exchange 12 scientific and technical teams in 1982, Thomas Hammer, a U.S. Department of Agriculture official, said recently.

Hammer, USDA deputy under secretary for international affairs and commodity programs, who just returned from a meeting with

Chinese officials in Beijing, said the exchanges are part of the agreement between the two countries to continue the exchange of scientific and technical knowledge started in 1979.

Hammer led the seven-member U.S. delegation to Beijing to the third meeting of the U.S.-Peoples Republic of China working group which makes the final selection of cooperative scientific and technical exchange activities between the two nations.

He Kang, vice minister of the State Agricultural Commission, led the Chinese delegation. Hammer said He Kang viewed the mutual participation in cooperative programs as a way of

strengthening relations between the U.S. and China.

U.S. priorities in the negotiations were focused on enhancing trade, extending a U.S. research and conservation efforts to benefit both countries, Hammer said. Plans also were made to hold a soybean symposium in 1982.

Hammer said the exchange of swine germ plasm and collaboration in the soybean symposium are of high mutual interest. China is the native home of the soybean.

He said the transfer of swine germ plasm also is interesting because it will benefit research programs designed to improve swine in both countries.

U.S. exchange teams also plan to study Chinese approaches to forest reproductive biology, biomass energy production, fungus control in grain under stored conditions, agricultural forecasting methods and integrated pest management. The Americans will visit Chinese scientists and research facilities and participate in field demonstrations of arid zones in China where vegetation and climate are most similar to the U.S. Southwest.

The first group of exchanges for 1982 will begin in the first quarter of next year. The Office of International Cooperation and Development will administer and manage the program for the U.S. side.

Economics is key in 1982 conservation programs

HARRISBURG — Cost effectiveness in 1982 conservation programs is a primary concern, reports Joel Myers, district conservationist with the Soil Conservation Service in Dauphin County.

"As agricultural profits continue to dwindle, there is less money available to do conservation work," he states.

Cost effective installation of cropland terraces is one area of primary interest and concern. Terraces are needed in many areas which are currently being farmed in corn, soybeans and fall grain cropping systems. Cropland terraces can be installed using a terrace plow or farm tractor and moldboard plow at only a fraction of the usual cost, he points out.

On some land, due to irregularities in slopes, terraces are not a practical alternative. In these instances, proper residue management and conservation tillage can considerably reduce soil losses and conserve moisture.

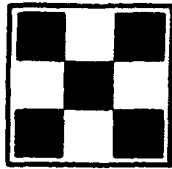
Currently most reduced tillage operations tend to cover more than half of the crop residue. Myers stresses that about 75 percent of the residue should remain on the surface at planting time. This residue provides a protective mulch which reduces erosion and conserves moisture. He adds that proper selection of chemicals for weed control is essential with high residues left on the surface.

Myers explains that demonstration areas are planned to show the amounts of residue that are left with different types of conservation tillage equipment. This will help farmers to judge the amount of residues that are left on individual fields.

Terraces and proper residue management with conservation tillage methods are two alternatives to be considered in reducing erosion with minimal

costs, Myers concludes. For more information on these practices contact the Soil Conservation Service.

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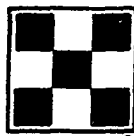
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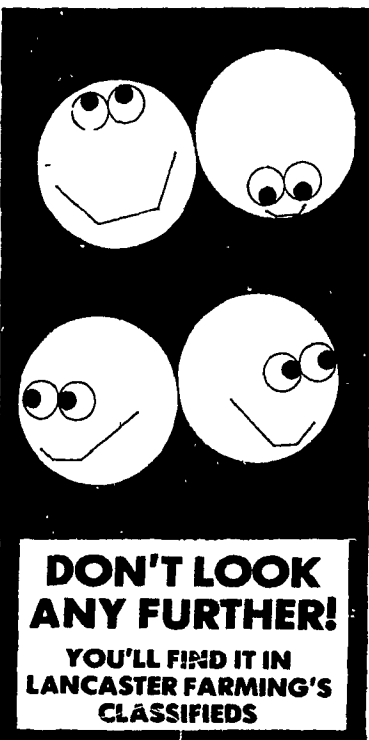
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USDA announces cigar tobacco grade loan rates

WASHINGTON, D.C. — Schedules of grade loan rates for 1981-crop cigar tobaccos were announced today by Everett Rank, administrator of the U.S. Department of Agriculture's Agricultural Stabilization and Conservation Service.

For Ohio Filler (types 42-44), New York and Pennsylvania Havana Seed (type 53), Southern Wisconsin (type 54), and Northern Wisconsin (type 55), tobaccos, the schedules are based on the U.S. average level of support of 81.8 cents per cents per pound, Rank said.

He said rates for the other cigar tobaccos are based on the following levels of support: Connecticut Valley Broadleaf (type 51) and Connecticut Valley Havana Seed (type 52), \$113.3 cents per pound. Puerto Rico (type 46), 84.9 cents per pound.

The 1981 level for each of the cigar tobaccos is 12.2 percent above the 1980 support level, Rank said.

Only the original producer is eligible to receive price support advances. The cooperative association through which advances are made is authorized to deduct \$1 per hundred pounds to apply against overhead costs.

The grade loan rates for each type of cigar tobacco are as follows:

Ohio Filler, Types 42-44	
Grade	Cents per Pound
X1	89
X2	79
X3	75
X4	69
N	57
Wisconsin, Type 55	
Grade	Cents per Pound
B1	110.0
B2	100.0
B3	93.5
C1	90.5
C2	83.5
C3	79.0

90.0	X1P
82.5	X1S
78.0	X2T
64.0	X2F
62.0	X2P
58.0	X2S
56.0	N
52.0	

Puerto Rican, Type 46	
Grade	Cents per Pound
C1F	92.0
C1P	92.0
X1F	

Wisconsin, Type 54 and New York, Pennsylvania, Type 53	
Grade	Cents per Pound
B1	142
B2	131
B3	117

84.5	X2
84.5	X3
73.5	Y1
73.5	Y2
73.5	Y3
73.5	N1
29.0	N2

Connecticut Valley Broadleaf, Type 51	
Grade	Cents per Pound
B1	142
B2	131
B3	117

82	B4
74	B5
67	X1
Connecticut Valley Havana Seed, Type 52	
Grade	Cents per Pound
B1	138
B2	129
B3	115
B4	106
B5	95
X1	81

Annual no-till conference set for Jan. 7 in Timonium, Md.

TIMONIUM, Md. — A record attendance of 1,200 to 1,500 farmers is expected for the 8th Annual Mid-Atlantic No-Till Conference to be held here Jan. 7 in the Exhibition Hall of the Maryland State Fairground.

Registration at the Timonium Fairground will get underway at 8 a.m. Jan. 7 with the morning program set to begin at 9:30. The lead-off topic will feature a five-man panel from three states describing the importance of nitrogen sources and application techniques to achieve maximum corn yields with no-tillage farming.

Major topics at the no-tillage conference will include soil conservation, weed control, and crop rotation.

Keynote speaker will be Lyle Bauer of Harper, Kansas, president of the National Association of Conservation Districts and a wheat farmer in south central Kansas. His topic will be "Conserving Our Most Valuable Resource."

Program chairman Overdorff said 35 agribusiness sponsors — a record number for this event — will set up commercial and educational exhibits. As in past years, the event is sponsored by the Cooperative Extension Service

at land-grant universities in the six-state area in cooperation with agribusiness firms.

To reach the Maryland State Fairground from the north, turn off Interstate 83 at Timonium exit 17A and take a right turn onto York Road. Take another right into the

fairground near the 4-H and Home Arts Building. For easy access from southern points, drive three miles north of the Baltimore Beltway on Interstate 83, turn off at exit 16A, and take a left onto York Road.

Fewer hogs found in Pa. barns

HARRISBURG — There were 750,000 hogs on Pennsylvania farms on Dec. 1, 1981, according to the Pennsylvania Crop Reporting Service. This inventory was down 23 percent from Dec. 1, 1980 and 18 percent from June 1, 1981.

Breeding stock at 81,000 was down 34 percent from last year and market hogs at 669,000 were down 22 percent. The fall (June 1981-December 1981) pig crop of 491,000 pigs was down 22 percent from last

year's fall crop of 629,000. There were 63,000 sows farrowed with an average of 7.8 pigs per litter. Keystone farmers intend to farrow 55,000 sows during the spring of 1982. The number of operations having one or more pigs on hand during 1981 was 17,000.

Nationally, inventory of hogs and pigs was estimated at 58.7 million head, nine percent below last year and 13 percent less than 1979. Breeding inventory at 7.84

million head was 14 percent less than a year ago and 19 percent below Dec. 1, 1979. Market hog inventory at 50.8 million head was eight percent fewer than 1980 and 12 percent less than 1979. United States hog producers intend to farrow 5.76 million sows during the December 1981-May 1982 period, a decrease of 11 percent from the same period last year and 20 percent below two years ago.

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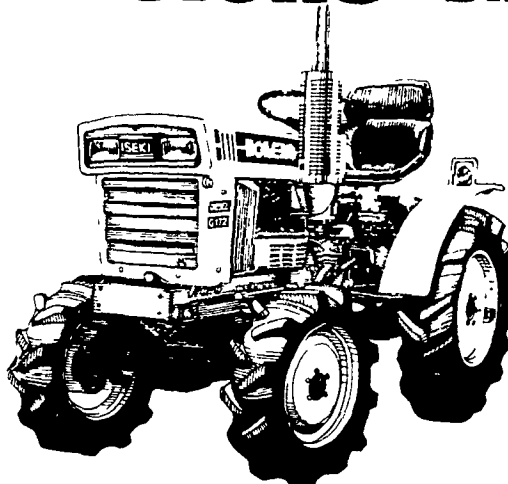
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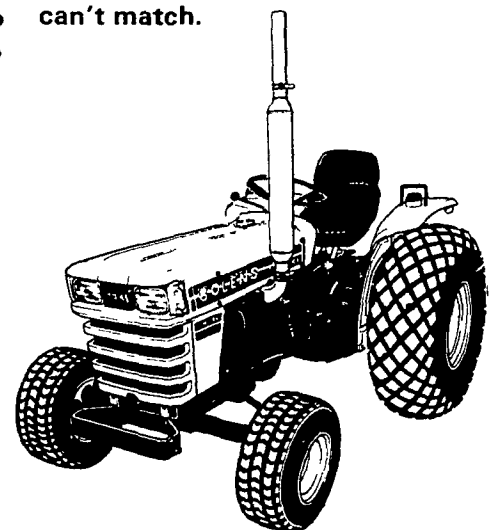
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TorqGard Supreme 10W20 - 5 Gal.	\$31.25	\$26.11
TorqGard Supreme 15W30 - Qt.	\$1.70	\$1.41
TorqGard Supreme 15W30 - 5 Gal.	\$33.00	\$27.50
Hy-Gard Trans Oil - 5 Gal.	\$31.00	\$25.91
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15.5x38 - 6 Ply	\$267.45	\$238.03
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? That's A ? Good Question

Can somebody please explain to a city girl how stray voltage can cause mastitis? I am referring to the December 5 issue, page 22, of Lancaster Farming. Sounds like there was something wrong with the electrical system, but how would this give the cows an infectious disease? Also, anybody know what to do about a silted up farm pond?

Helen Rawson, M.D.,
Lansdale

Ms. Rawson:
Penn State dairy Extension specialist Steve Spencer, an authority in milking equipment

and stray voltage, tells us that you have asked "the \$64,000 question."

Mastitis occurring in a stray voltage situation has only been implicated by association. No research to date, says Spencer, has shown that stray voltage causes an increase in the new infection rate. If stray voltage is in fact a cause of mastitis, its methods are unknown.

However, if an udder is already infected, clinical cases will show an increase due to an incomplete milk out.

For your silted up pond problem, check with the Montgomery

County Conservation District. Phone is (215) 279-1178.

I understand there is a place in the Poconos that buys rabbits. I am looking for their address or that of any plant in Pennsylvania. Can you give me any information about these plants?

Paul Turner
Red Barn Rabbit Farm
Airville, PA

Mr. Turner:

We are not familiar with any processing plants in Pennsylvania; however, the Extension in Lancaster County suggests local auctions if you want to sell rabbits. Can any other readers help Mr. Turner?

I was wondering how one would go about becoming a member of the Grange. Also, what kind of dues is required?

Mrs. A. Sherman

Mrs. Sherman:

According to the staff at the State Grange Office in Harrisburg, people usually become Grange

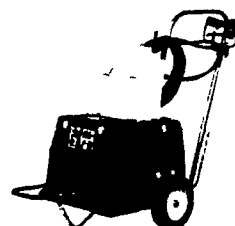
members by writing to the main office, or by getting in touch with local Grange member. You must be approved for membership. The dues usually run under \$10 for a year and will cost for each

member of your family. Most Granges charge a smaller fee for children. The state Grange address is: State Grange Office, 1604 N. Second Street, Harrisburg, PA 17102. Phone is: (717) 234-5001.

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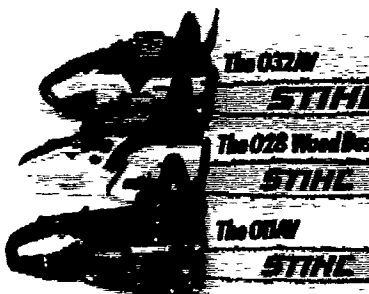
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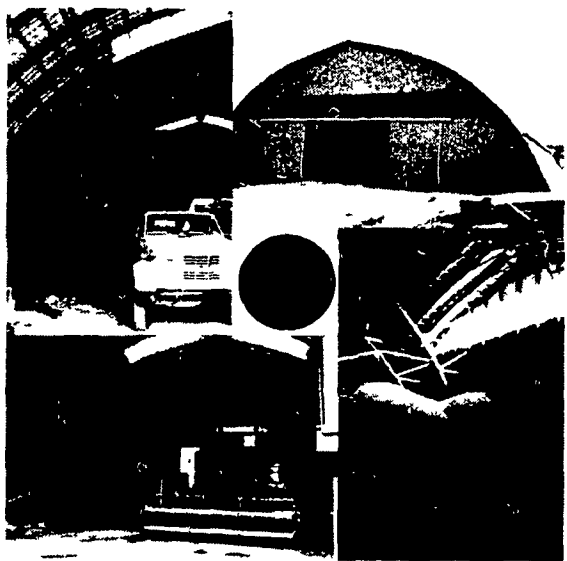
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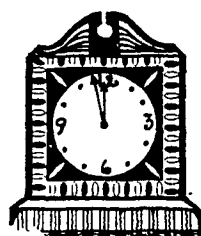
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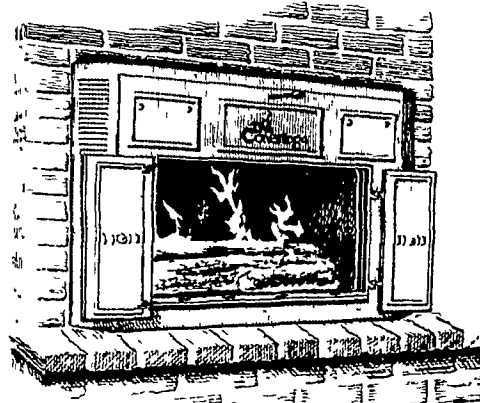
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Financing Available



Ag credit availability appears favorable for 1982

Uneven Credit Availability Foreseen

During 1982, the availability of funds will vary according to the type of lending institution, predicts USDA's Economic Research Service.

Commercial banks should enter 1982 with relatively favorable loan-to-deposit ratios. In addition, the all-savers certificates made available on October 1 should draw some loan funds from money market mutual funds to commercial banks. Because 75 percent of the funds deposited in all-savers certificates must be used for housing or agricultural loans, money available for agricultural loans should increase — especially since banks may prefer to invest in agriculture rather than long-term housing loans.

The Farm Credit System should continue to have adequate funds to support its lending operations. However, the structure of these funds is undergoing a fundamental change. Investors in long-term bonds have been hurt by the unexpectedly high inflation of recent years. As a result, the market is now less willing to accept these bonds. Consequently, the maturity of Farm Credit System bonds, especially those supporting Federal Land Bank lending, has been shortened. Although the Farm Credit System has had variable rates for some time, the shorter maturities on bonds will make these rates even more variable than in the past.

Fund availability at the Farmers Home Administration is likely to be substantially curtailed in 1982 as the administration seeks to take care of existing business. Lending authorizations through October 1, 1982, show reductions in the farm ownership and emergency loan programs, but some increase in the farm operation loan programs. All risk crop insurance should continue to replace economic emergency loans through 1982.

Life insurance companies are likely to continue seeking funds for lending to agriculture at competitive rates. However, they are also actively trying to attract capital from pension fund accounts. For example, John Hancock has established an account called ACRE (Agriculture, Capital and Real Estate) designed to attract pension fund dollars into agricultural investments.

Credit available through merchants and dealers may also expand in 1982. Hit by slumping sales due to reduced net farm income, a number of machinery dealers are expected to offer attractive financing plans to

promote sales. Credit extended by farm-supply dealers may also increase because farm operators may take longer to pay off their charge accounts.

Delinquencies and Defaults To Remain Minimal

There is a tremendous equity base in agriculture that could be used as collateral for additional borrowing. This collateral base, combined with the fact that rates on long-term loans — especially at Federal Land Banks — have lagged short-term rates, will lead some farmers facing cash-flow problems to avoid delinquency or default through refinancing. An increase in restructuring of short-term debt into long-term debt is anticipated.

Operations with large borrowings relative to assets will experience the most difficulty since they have little or no ability to support more debt. In addition, commercial lenders in the past have been able to transfer some problem borrowers to Federal Home Administration loan programs. With the push to reduce FmHA loan programs, however, such switching may become less feasible. Commercial lenders will then be forced to liquidate borrowers in severe financial trouble. While defaults and foreclosures are expected to increase in 1982, the percentage of borrowers facing such problems is expected to remain low.

Interest Rates: An Uncertain Outlook

Interest rates during 1982 will largely depend on the government's ability to control inflation and on the degree to which the Federal Reserve System keeps tight controls on money-supply growth. Inflation in the U.S. economy now appears to be easing. However, there is concern that the Economic Recovery Tax Act of 1981 will spur consumer spending and create high budget deficits, which could add renewed inflationary pressures.

The extent to which the Federal Reserve accedes to recent pressures calling for faster monetary growth will have a significant impact on interest rates in 1982. Rapidly increasing the money supply would likely add to inflationary expectations, thereby raising interest rates. On the other hand, unusually slow growth in the money supply could restrict the supply of credit and thereby maintain the current high interest rates until inflationary expectations diminish. The Federal Reserve appears committed to moderate monetary growth, with only a

gradual easing in interest rates expected.

The direction of interest rates is easier to predict than rates in the general economy. For example, for the first 9 months of 1981 the Farm Credit System issued \$40.4 billion bonds with a weighted average interest rate of 15.63 percent. For bonds with over one-year maturity, the average interest rate was about 14.5 percent.

At the same time, interest rates on the new loans at Federal Land Banks ranged from 11 to 13 percent. Bonds can be issued at a higher cost than the interest rate on loans because interest rates charged by Federal Land Banks are based on the average cost of bonds outstanding, not on just the most recent issues. However, these figures do suggest that unless the cost of issuing bonds drops drastically, interest rates charged by Federal Land Banks will rise during 1982.

To a lesser extent, Production Credit Associations (PCA) face the same problems with rising interest rates as do Federal Land Banks. The cost of bonds issued by the Federal Intermediate Credit Banks (FICB) exceeded interest rates charged on PCA loans throughout much of the first three quarters of 1981. If the cost of issuing FICB bonds remains at current levels, PCA interest rates are likely to rise. Because most FICB bonds are relatively short-term, the average cost of bonds outstanding could drop if the cost of new issues in 1982 falls significantly. A USDA model forecasts PCA interest rates at 14 to 15 percent during 1982.

Interest rates on agricultural loans charged by commercial banks vary tremendously from one bank to the next. During August of 1981, the most common interest rate on bank

farm loans was between 19 and 20 percent. If inflation in the economy falls below 10 percent and if the Federal Reserve System maintains a middle-of-the-road posture on money growth, bank interest rates might decline substantially in 1982. This suggests that, for the first time in the last 5 years, the interest rate advantage of the Farm Credit System over other lenders will be reduced.

Farm Sector Equity To Grow Slowly

Nominal growth in farm sector equity out of earnings is expected to remain low during 1982. For one thing, net farm income is not anticipated to improve — particularly during the first half. Given a third consecutive year of low income, it will be difficult for many operators to save money for investing in their farm.

Capital gains on assets have also been a major source of growth in farm equity. Important nonreal estate assets for farm firms include crop and livestock inventories and farm machinery. Capital gains on these assets during 1982 are expected to be minimal since crop and livestock prices will likely remain low.

If the current projections of poor farm income in 1982 hold true, the farm real estate market would also remain sluggish. Transfer rates would be low, with the value of real estate possibly increasing 6 to 10 percent. However, regional differences may be significant. The Midwest's land market may be relatively weak because of low prices for corn and soybeans. In contrast, some specialty crop areas in the South and California may see a relatively strong land market.

Egg production up in Pa.

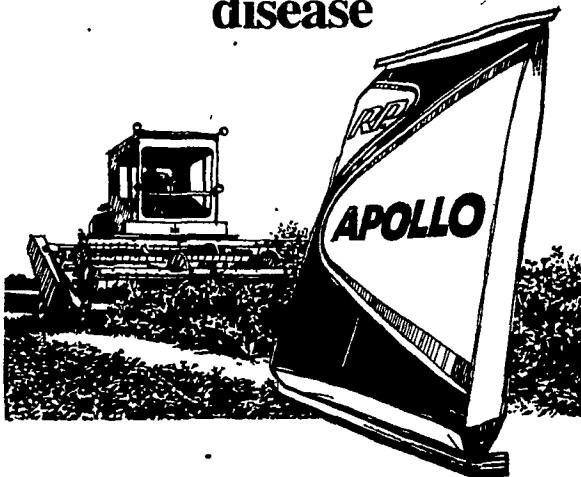
HARRISBURG — November 1981 egg production in Pennsylvania totaled 369 million, according to the Pennsylvania Crop Reporting Service. The November production was three percent above the 360 million eggs produced in November 1980. The November average of 16.9 million layers was one percent above a year ago. Egg production per 100 layers was 2,177 compared with

2,140 in November 1980.

The nation's laying flocks produced 5.82 billion eggs during November, up fractionally from a year earlier. The number of layers on Dec. 1, 1981, totaled 291 million, one percent less than the 294 million a year ago. Egg production per 100 layers during the month was 2,011 compared with 1,975 a year ago.

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Farmers must take charge of stray voltage problems

CHAMBERSBURG — Confusion and hysteria walk hand in hand with stray electrical voltage, stated Penn State Dairy Specialist Steve Spencer, during last week's Franklin Co. Dairy Day.

Spencer pointed out that stray voltage is really not a new discovery. New Zealand began having the problem in the early 1960s. He added that it is not an isolated agriculture problem — hospitals, telephone companies, grain storage facilities and computer centers all have the problem of stray electrical voltage.

Spencer explained that the stray electrical voltage is electricity that is not returned to the power source and has not been used by an individual or business. Sixty percent of the electricity returns to the generator through the lines and 40 percent via the ground. Most of the voltage problems are caused by the 40 percent returned through the ground.

When the current is traveling through the ground it finds the path of least resistance, which means finding neutral ground. At this point in time, neutral ground is limited, he stated.

The specialist also noted that in 1935 only 10 percent of the farms had electricity in this country. From 1935 to today, there has been a tremendous increase in electrical use which has loaded lines to their limit, adding to the problem of stray voltage.

Stray voltage can travel from miles away or directly on the farm. Many farmers have discovered that their facilities are improperly grounded and improperly wired. Gone are the days when a farmer can wire his barn like a house due to the amount of electrical use in the barn, said Spencer.

Limited neutral ground, overloaded lines, improper grounding and faulty wiring are all part of the stray voltage problem on the farm, commented Spencer.

Nevertheless, farmers have an added problem. Cows have a lower resistance to electrical shocks than humans. The shocks from the water cup, stall or floor, prevents the cow from milking properly. Spencer said many cows will stop milking and other will milk out unevenly.

Also, Spencer noted that in recent months there have been several articles published linking stray electrical voltage with mastitis problems. He stated that

stray voltage doesn't cause the infection itself, however, the increase in stray voltage and clinical mastitis is too coincidental. Then the big question is HOW?

Spencer stated that the 'how' has been answered theoretically by several specialists. The specialists say the uneven milk out provides the perfect atmosphere for bacteria to grow and infect — causing clinical mastitis.

Spencer said, "Static electrical voltage is like the master-mind behind the bomb. That person never touches the bomb or plants it for destruction, but definitely encourages the act."

At the present, said Spencer, there is no infallible solution to the problem of stray electrical voltage — only remedies that may work.

For many farmers, it is merely finding the source of the stray electrical voltage. For others, it is extremely frustrating — the farmer has to install an isolation

project the outcome in the future.

He added that Nebraskan farmers are already using the computer to record the history of fields, fertilizers applied and amounts of water used in irrigation.

Barton added, "The amount of records and information that can be kept on a microcomputer is only limited by the size of the storage units, 'software' available and the imagination of the user."

Three Franklin County farmers have taken the plunge into the world of space-age technology.

A microcomputer-feeder was recently installed on the farm of Clyde Kuhn, Ronald Hissong and Robert Harwood. These three computer farmers sat on a discussion panel at the Dairy Day discussing their individual systems and answering the audience's questions.

Robert Harwood, the first on the panel milks approximately 85

transformer which may or may not work.

Spencer added that the milk companies, contractors and electrical companies have all been helpful in combating the problem and are all continually working on solutions for the farmers' electrical problems.—BH

Dairy Day

Continued from Page A19)

cows. His system has been functioning for six months.

Harwood installed the computer for greater feeding efficiency in his operation. His system operates through a transformer on the cows neck. The transformer sends a signal out to the programmed feeder where each cows identification is stored. The transformer signals the computer and the cow is fed the proper amount.

Harwood's system is equipped with a printout and he checks the computer sheets every morning to see which cows did or did not eat. This is an efficient way to monitor the health of your cows, remarked Harwood. Because of the printout, he has discovered several illnesses that he treated immediately, preventing later complications.

After six months of use, Harwood already has evidence of increase in production and the two-year-old cows and high producers. Also, he stated that his feed costs have been lowered due to less grain waste.

Ronald Hissong, the next computer farmer, milks 95 cows and farms 200 acres, raising most of his feed.

Like Harwood, Hissong felt the need for feeding efficiency and therefore installed the computer feeder.

Hissong installed a computer

system which utilized much of his old feeding equipment. His system is also operated through a transmitter around the cows neck, which in turn signals the computer for the proper amount of grain.

Hissong stated that he will probably pay for his system within one year.

Kuhn said he wasn't satisfied with the grain intake of all 95 milking cows and decided to invest in a computerized feeding system. Kuhn's system, unlike the other two, doesn't have a printout, but he said it can be added.

His system dispenses all the feed for a twelve-hour cycle with the possibility of three different cycles. It resets automatically every twelve hours.

Kuhn stated, "At the present time I don't have the black and white figures to claim high production due to the system, but I am confident now that each cow is getting the proper grain for top quality milk production."

"With top quality progress report from farmers like Kuhn, Harwood and Hissong, I see the microcomputer as a new, needed farm implement!" said Barton.

"Today's young farmer and every farmer in the United States has less room for management mistakes than their forefathers did." The microcomputer is a space age tool for advanced planning and storing historical data on which to base future farm management decisions.



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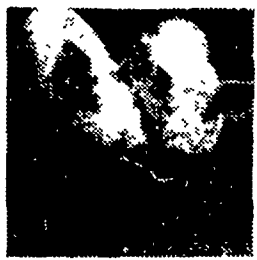


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What You Should Know About Swine Health

by Glenn Shirk
Lancaster Extension Agent

Editor's Note - This is the fifth article in a series of articles on swine health. This article will focus on selecting breeding stock and feeder pigs.

Local swine breeder, John H. Henkel, Willow Glen Farm, Strasburg, is one of the producers serving on the Pseudorabies Task Force. John has some good ideas about things to consider and precautions to take when purchasing breeding stock and feeder pigs, and I've invited him to share his ideas with you through this series of articles.

He directs our attention to three general areas: health, conformation and background data on the performance of the pigs in question. Here is his advice.

SELECTING SWINE BREEDING STOCK Health

Preferably buy from one source to minimize health problems.

Observe health regulations and check with your veterinarian.

Question the seller about herd health status including: brucellosis and pseudorabies testing, atrophic rhinitis, mycoplasma pneumonia, TGE, vaccinations for erysipelas and leptospirosis, internal and external parasites, plus any other health problems in the herd. It can cost large sums of money if unhealthy animals are brought onto your farm.

Conformation

Most hogs in this area are kept in

confinement, so they must have strong-boned legs with adequate slope to the pasterns to perform well on hard floors. Very straight-legged animals will break down in confinement. My experience indicates that very long-legged animals do not hold up on hard floors.

Farmers need long-bodied, deep-sided animals with a wide chest and trim body showing good width in the loin and ham areas. Extreme meatiness is undesirable, because of the possibility of reproductive problems.

Both males and females should have at least six functional nipples on each side with no blind or inverted nipples.

Select a breeding boar that is superior in the conformation points that your sow herd needs for improvement.

Background

Ask questions about performance data on close relatives including feed efficiency and rate of gain. The lower the feed needed per pound of gain and higher the daily gain will mean more profit on the market hogs produced.

SELECTING FEEDER PIGS Health

Preferably buy from one source

to minimize health problems. Question seller on health background and observe health regulations.

Observe for obvious signs of health problems, such as: scouring, sneezing, coughing, labored breathing, deformed noses, rough haircoat, swollen joints and bruises.

Check for ruptured pigs and other inherited defects since these pigs will continue to be problems.

Conformation

Select trim pigs that show good length of body and length of leg for their size. They will usually be more rapid and efficient gainers. Many times the shorter, heavy-hampered young pigs have more eye appeal, but finish at lighter weights than desirable.

Select for uniform size. If groups are uneven in size, the smaller ones will be pushed away from feed and water.

Background

Question the feeder pig producer if rate of gain and feed efficiency data are available on bloodlines represented. These figures will give an indication of what to expect on pig performance.

Penn State's swine specialist Matthew Parsons emphasizes the importance of selecting boars well ahead of the time they are needed for service. That time, about 60 days, is needed to select, test, isolate, retest and observe the boar before exposing him to the herd. This is an important precautionary measure for helping to keep disease out of the herd.

Penn Ag Democrats to meet at Farm Show

HARRISBURG — The chairman of the Pennsylvania Democratic State Committee, Ed Mezvinsky, will be the featured speaker at the first annual meeting of the Penn Ag Democrats.

The meeting will take place Monday, Jan. 11 at the Farm Show Complex, Harrisburg, starting with a buffet luncheon at noon in Dining Room C.

Tickets for the meeting are available at \$6 per person from the

organization's vice chairman, Warren Lamm of R5, Sinking Spring, 717/787-2844. Reservation deadline is Tuesday, Jan. 5.

The Penn Ag Democrats is a statewide political action committee recognized by the Pennsylvania Democratic State Committee. It is dedicated to working with the Democratic Party for the betterment of agriculture in Pennsylvania.

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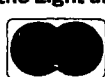


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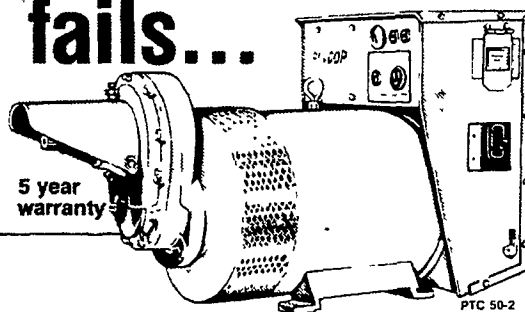
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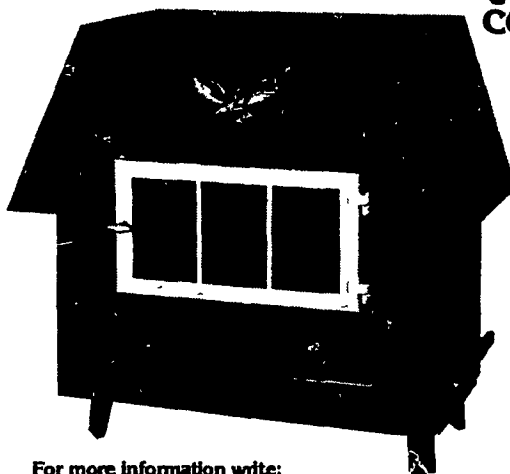
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Adams workshop provides proper pruning instructions

BY GINGER SECRIST MYERS
Staff Correspondent

GETTYSBURG — An apple tree pruning demonstration was held recently at Lowell Pepple's Fruit Farm and Mussleman's Breezewood Orchard, both in Adams County. The workshop, sponsored by the Adams County Extension Service, was designed to provide instruction to crew leaders and pruning crew members in desirable pruning techniques.

Marshal Ritter, Extension pomologist from Penn State, was on hand to lead the discussion and direct the demonstration. Ritter stated the major purpose of pruning is to remove excess flower buds.

This can best be accomplished by a simple 4-step procedure: 1. remove water sprouts and root suckers; 2. remove any dead and/or diseased limbs; 3. remove any broken limb; and 4. thin out the bearing surface.

Generally speaking a removal of approximately 65 percent of the bearing surface is required to do an adequate job of pruning. Attention to the flower bud production habits of the various varieties and the previous season's cropping can be valuable aides in determining the degree or severity of pruning.

Ritter left the group with his rule

of thumb "...pruning should be relatively 'light' following a heavy crop year and 'heavy' following a light crop year."

Adams County Extension Director Thomas Piper has

reminded fruitgrowers that back-splitting on tree trunks, the result of warm days followed by cold nights, has been evident in many Adams County orchards. This loss can be reduced by the application of white latex paint or a whitewash

to the tree's trunk.

For this purpose, the more durable the whitewash the better, he said. One formula that might be used is: calcium chloride, 5 pounds with lime paste, 8 gallons. Make

lime paste by soaking 50 pounds of hydrated lime in 6 gallons of water. Dissolve the calcium chloride in about 5 gallons of water and add this solution to the lime paste. Mix thoroughly and thin to desired consistency with fresh water.

Tobacco outlook has gloomy overtones

COLLEGE PARK, Md. — Skip-row planting is starting to look more attractive to Maryland tobacco growers, notes Claude G. McKee, Extension agronomy specialist and farm superintendent for the University of Maryland's tobacco research farm near Upper Marlboro.

The innovative planting technique permits field-spraying with a conventional tractor rig at any stage of tobacco growth, McKee explains.

"Frankly, I'm a little scared this year," McKee says, regarding the tobacco disease outlook for 1982.

He noted that some strains of wildfire are becoming immune to streptomycin, the standard antibiotic for treating this dangerous fungus disease. Combinations involving several antibiotics will be tried on an experimental basis in 1982, McKee reports. But their effectiveness has yet to be proved.

Likewise, no effective chemical control treatment is currently available for angular leaf spot — although the disease is not excessively damaging to Maryland tobacco at this time.

Finally, the Extension tobacco specialist expressed concern about blue mold, the disease which has caused most concern for Maryland tobacco growers in recent years.

Just within the past two years, Ridomil had been found to be effective against the disease. Now there are reports from Nicaragua of new strains of blue mold which are apparently resistant to Ridomil. In addition, the blue mold spores — which typically migrate to Maryland from the South — have been found capable of overwintering as far north as Connecticut.

Adding to the gloomy outlook for tobacco growers at the

Mechanicsville conference was a statement from Floyd P. Harrison, professor of entomology at the University of Maryland. Harrison said he questions whether Di-Syston still does an effective job of controlling aphids in tobacco fields.

On the bright side, McKee reminds growers that the new tobacco variety, Maryland 341, is resistant to both the mosaic and wildfire tobacco diseases. Unfortunately, it is not resistant to black shank. But the old standby variety, Maryland 609, does carry this genetic disease-resistant feature.

Blue mold strains with resistance to Ridomil have not yet been found in Maryland. So this chemical will still be recommended in 1982 for both seedbed and field transplant soil treatments.

McKee reminded his audience that good disease control in tobacco seedbeds has 75 to 80 percent of the anthracnose and blue mold disease problem licked. Start treating seedbeds with Ridomil when tobacco plants are the size of a dime and continue weekly treatments until transplanting. Do not transplant diseased plants.

Maneb or zineb make suitable protective contact sprays for tobacco plants in the field, but they are not a cure for blue mold. When the disease is present in the area, spray every three to four days as long as the blue mold danger persists.

As of now, Maryland tobacco farmers should plan on using the same recommended pesticide programs which were successful last year. And plan on doing a good job of it, the Maryland tobacco specialist declared.



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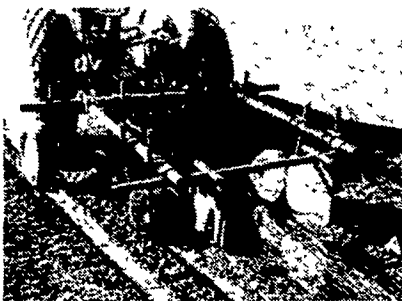
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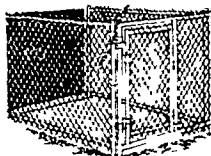
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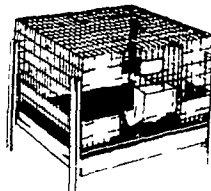
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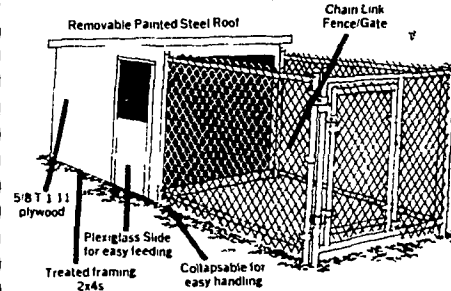
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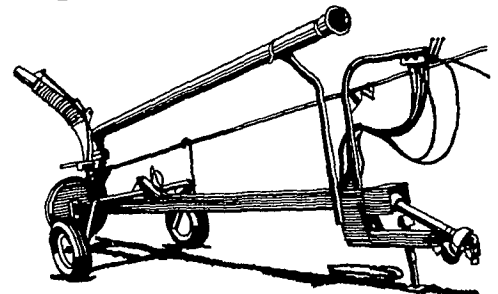
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The Milk Check

TOM JURCHAK
County Agent



Complications

What we thought in November was a final compromise of the Senate-House Conference Committee on dairy price supports for the new Farm Bill was changed again in December and sent to the Senate where it passed by a vote of 68 to 31. The House passed it with a vote of 205 to 203 and the President recently signed it into law.

The changes placed \$1 billion yearly limits on the money to be spent for supporting dairy products and set the support prices

for the next four years.

The 1982 support price will stay the same as the \$13.10 we now have for milk of average (3.67 percent) butterfat test.

In 1983, it will go to \$13.25 then to \$14.00 in 1984 and finally \$14.60 in 1985, unless the cost of the program is less than \$1 billion a year.

There's no mention of parity in any of this — just dollars and cents on how much can be spent and what will be paid for the next four years.

Now that the bill is approved, it

becomes the basis for future support prices. You won't have to worry about how complicated or how accurate the Parity formula is for dairy products — you can just take a number and stand in line.

As you can see, the increases are small with only 15 cents in 1983 and that's just a little more than one percent. A 75 cent "jump" in 1984 is the best of the four years with a 5.6 percent increase. In 1985, it drops to a 60 increase, which would be only 4.3 percent.

I'm sure the Parity Index will be increasing by more than that in the next four years, but that may not be a factor in the price.

Balance Sheet

The Commodity Credit Corporation won't give the total cost of the program until after the first of the year, but guesses are it will be close to \$2 billion.

If that's right, then you can be sure the yearly \$1 billion limit will keep supports down to the prices in the Farm Bill.

Even though we don't have the final cost of the program, CCC has announced that during the last marketing year that ended on

NPPC cautiously optimistic on pig crop report

The National Pork Producers Council expressed "cautious optimism" over the hog and pig report issued by the Department of Agriculture. "If the figures are accurate, it does appear that there will be an easing of the burdensome supply of product we've seen for the past several months," said John Saunders, NPPC president.

"However, while there is reason for producers to be optimistic, we must be cautious that our optimism doesn't lead us to expand our operations and put ourselves back in the same situation we've

faced the last few months. We must look at the long-term market situation," he cautioned.

The report issued by USDA showed that numbers for all hogs and pigs are at 91 percent of the 1980 level. Even more drastic is the 14 percent cut in breeding stock over the last year.

In response to the report, the Chicago Mercantile Exchange reported that the pork complex was up the limit in trading, and the number of unfilled belly contracts was growing steadily.

Many analysts acknowledge that even if the report holds true, the short-term outlook for producers will be bleak as many receive below break-even prices for their hogs over the next several months.

To deal with this situation, NPPC is stepping up its Pork Challenge Campaign to get Americans leaning on pork as soon as possible. The Council is also urging consumers that there is no time like the present to fill those freezers full of pork.

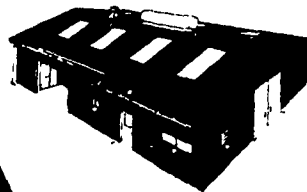
September 30, they did purchase 1.7 billion pounds of butter, powder and cheese. That was 515 million pounds or 44 percent more than in 1980. Those purchases represented 12.6 billion pounds of milk or nearly 10 percent of the 132 billion pounds you produced this year.

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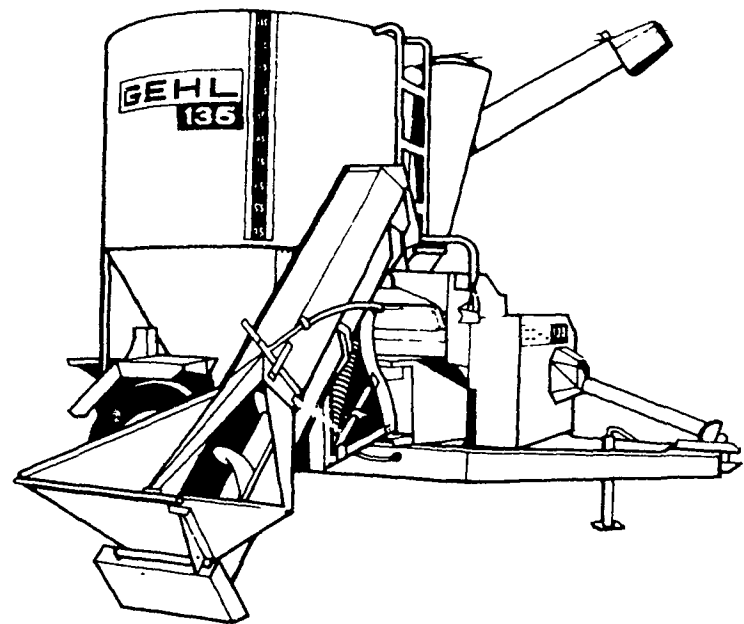
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Veal producers counter 'rightists' attack

BY DONNA TOMMELLEO
STATE COLLEGE — The State College Burger King restaurant was recently the site of a non-violent protest, spearheaded by a local animal rights group that opposes domestic veal management practices.

The LCI, a trade association funded by the livestock industry and humane groups, seeks to reduce livestock losses from parasites, disease and improper handling, Black explained. The British study, known as the Quantock method, was recently

campaigns have caused him to question the motives of the HSUS. "Are they really interested in the welfare of farm animals," Black questioned, "or is this attack merely a thinly disguised membership drive by HSUS?"

"If the care of farm animals is really the major interest of HSUS, rather than contributions, vegetarianism or simply destroying the veal industry, the organization will call off this campaign until the results of the research are in," Black declared.

The LCI president reported that some animal welfarists admitted their claims against the industry were false. Such claims included accusations of confinement in total darkness for extended periods of time and anemic calves.

According to Black, the Quantock system for this country must be altered from its British counterpart due to major differences in each country's veal production.

The majority of U.S. veal calves are dairy bulls, while the British veal animal is a beef heifer.

On the average, veal calves in

The veal industry in the United States is a \$225 million dollar business which produces about 400 million pounds of veal a year. Approximately 1,200 U.S. farm families rely on this multi-million industry for their livelihood.

Edie Grusling, a Wisconsin veal

producer who finishes about 500 head every four months, favors the present research and admitted she would switch to the Quantock system if the studies proved successful.

"We may learn something from (Turn to Page A35)

"Are they really interested in the welfare of farm animals or is this attack merely a thinly disguised membership drive by the Humane Society?"

According to restaurant manager Bob Helman, about 25 sign-toting demonstrators paraded in front of the fast-food operation to protest the chain's newest sandwich — Veal Parmigiana.

"It was pretty much of a joke in town," reported Helman.

Helman explained that the protest, which began about 11 a.m., lasted 30 minutes and had no effect on the restaurant's business.

The president of the welfare group could not be reached for comment.

Nationally, veal producers have been the subject of numerous attacks from animal welfare groups, which claim inhumane treatment due to confinement housing and feeding programs.

However, producers along with various farm organizations and agri-businesses are responding by studying a British veal-raising system, proposed by animal welfarists as an alternative, said Neal Black, president of the Livestock Conservation Institute.

started in Wisconsin by Provimi, Inc., a leading feed supplier for the special fed veal market.

The Quantock method calls for straw-bedded group pens with 20-30 calves per pen. The feeding systems consists of a robot nurser which automatically mixes water and dried feed and offers the liquid feed to the calves via several nipples.

"Any time you take a piece of meat off the counter, for any reason — you're taking away a meal from someone"

Researchers are expected to run three feeding trials during the year-long study. However, Black expressed concern that the Humane Society of the United States continues to promote the boycott of veal, before researchers have a chance to examine data. He admitted that such anti-veal

the U.S. are raised in colder climates with differences up to 20 degrees cooler than in England.

Other considerations, said Black, are the availability and disposal of bedding in this country and existing buildings for veal production.

also provides for these persons to be absolved of all civil liability charges for damages to any person," for loss, injury or detention of any animal seized or taken or cared for or destroyed at the time or within reasonable time prior to such loss, injury or detention such police officer, association or agent reasonably believed that a violation had been committed and that such seizure, taking, care or destruction was necessary to the health, safety and welfare of such animal." Only in cases of willful misconduct or gross negligence will the officer or agent be liable.

According to a Pennsylvania Farmers Association spokesman, this is the part of the legislation that is of most concern. "PFA opposes the complete bill," he said, "but we're most concerned with the portion of the bill that gives immunity to civil liability to representatives of groups like the SPCA."

Pennsylvania Farmers Union also has gone on record in opposition to S.B. 1208. "The bill jeopardizes the farming industry in Pennsylvania if it requires financial outlays for unnecessary buildings to shelter sheep wintering out on pasture" commented a PFU spokesman.

"Who knows — a farmer might be found in violation if an animal isn't loaded on the back of a truck in just the right way to satisfy a humane society member. The bill outlaws ear cropping in dogs — will it also mean it's no longer legal to tag a cow's ear unless she's anesthetized? And the part about milking a cow — why do we have to spell out in a law what all farmers know they need to do for a cow's health?"

Concerning animals being confiscated by agents or officers who deem reasonable cause as a motive, the PFU spokesman queried, "Does this mean farmers are guilty until proven innocent?"

"The farm community needs to stick together to defeat this bill," the PFU spokesman concluded.

'Cruelty to Animals'

(Continued from Page A1)

prohibit the sale or display of baby chicks, ducklings, or other fowl or rabbits in commercial operations equipped with "proper facilities."

The question of what constitutes cruelty to animals is defined in S.B. 1208. "A person commits a summary offense if he wantonly or cruelly ill treats, overloads, beats or otherwise abuses any animal, or neglects any animal as to which he has a duty of care, whether belonging to himself or otherwise, or abandons any animal, or deprives any animal of necessary sustenance, drink, shelter, or veterinary care, or access to clean and sanitary shelter which will protect such animal against inclement weather and preserve such animal's body heat and keep it dry."

The definition goes on to include any person who "keeps or uses, or in any way is connected with, or interested in the management of, or receives money for the admission of any person to any place kept or used for the purpose of fighting or baiting any bull, bear, dog, cock, or other creature, or encourages, aids or assists in or permits or allows any place to be kept or used for these purposes."

For anyone who is found in violation of "cruelty to animals" as called for in the legislation's definition, the bill authorizes fines and forfeiture of the "abused, neglected, or deprived" animals.

Selling or using disabled horses also is addressed in S.B. 1208 which prohibits people from "offering for sale or selling any horse, which by reason of debility, disease, or lameness, or for other cause could not be worked or used without violating the laws against cruelty to animals." Any person found leading riding, driving or transporting a horse in this condition is in violation unless the horse is being taken to "a proper place for

its humane keeping or destruction or for medical or surgical treatment."

Even haulers hired to carry animals fall under the jurisdiction of S.B. 1208 and could be fined and their vehicles forfeited if cruelty to animals is determined. For poultry transporters, the legislation would allow live birds to be crated "so long as not more than 15 pounds of live poultry are allocated to each cubic foot of space in the crate."

S.B. 1208 creates fair labor standards for animals, too. It states that horses, mares, mules, oxen, or other animals cannot be lead, driven, ridden or worked in excess of 15 hours in a 24-hour period or for more than 90 hours a week.

The legislation goes as far as to determine dairy farmers in violation if they don't milk a cow for a 24-hour period for the purpose of enhancing the quantity or size of the cow's udder.

And, finally, S.B. 1208 would outlaw ear-cropping in dogs unless the owner can produce a veterinary certificate "stating that such cropping was done by the veterinarian or a certificate of registration from a county treasurer showing that such dog was cut or cropped before this section became effective." Veterinarians would still be permitted to perform ear cropping while the dogs are anesthetized, and people who own dogs with cropped ears prior to S.B. 1208 becoming law would have to register their animals with the county treasurer and pay a \$1 fee for a certificate proving their dog's ears were "lawfully" cropped.

Who would enforce the cruelty to animals law? The bill authorizes any police officer or agent of any incorporated society or association for the prevention of cruelty to animals to make arrests. S.B. 1208 its humane keeping or destruction

New correspondents

(Continued from Page A1)

small but select herd that goes under the name of Green Manor Guernseys. They are located near Littlestown. The herd includes such individuals as Sniders Prince Lily (EX-3X), and three times national class leader Chedco Princes Valerie (VG-85) who was named honorable mention All-American Junior Yearling in 1978. McDonalds Darimost Linda (EX), one of the breed's leading lifetime butterfat producers, also calls Green Manor home.

Ginger is on the Pennsylvania Purebred Dairy Cattle Judges list and is a member of Penn-Agri Women. She and her husband are active in showing and judging dairy cattle and serve on a number of county and state association boards, along with breed-related committees.

Besides cows, barn chores, and ag association activities, Ginger also shares her time with their 2½-month-old daughter, Susan Amanda.

Always energetic and hard-working, Ginger will be bringing you the latest in news and features from Pennsylvania's top fruit and turkey producing county.

Bedford, Blair, and Fulton counties' correspondent Patty Gross hails from Roaring Spring in Blair County, an area she describes as having some of the richest farmland in the entire state.

"Everywhere you look in the Morrison Cove area you see farms," she states proudly. The reporter who spends her spare time oil painting boasts that the land around Roaring Spring is "picture perfect."

Patty moved to Blair County nearly 5 years ago to join the Altoona radio station WFBG AM-FM as news director and to attend classes at the local Penn State campus. Before moving to Clearfield County and has worked in that field for 8 years altogether.

Patty grew up on a dairy farm near Woodland, Clearfield County, and confesses that she sometimes misses the farm life. "For now I settle for short visits to my parents' farm. I put my love for farming into my house plants," she confides.

Patty and her husband Ardean Mock, a Pennsylvania state policeman, work together in their garden. "We like to experiment by growing different things," she says. "He's into growing trees and I would like to own a greenhouse."

As a daughter of a dairy farmer, Patty says she understands the important role of the local dairy princesses. She has been involved in this promotion program since she, herself, was a dairy princess contestant. Recently she has served as a judge for local contests.

"I judged the Clearfield County and Blair County contests. I know how the girls feel because I went through it myself," she says. Patty, who has also competed in the Junior Miss Scholarship Pageant, says its tough on both sides of the judge's table.

Besides her role as a reporter, Patty is active in community causes and charities. She is a member of the First Church of the Brethren in Roaring Spring, active as a board member, choir member

and chairperson of a goals discovery program for the congregation.

Patty is already busy at work with the agricultural communities in Blair, Bedford and Huntingdon counties. Her recent story on Huntingdon County dairyman Wayne Harpster and his trip to China with President Jimmy Carter was recently reprinted by the Pennsylvania Holstein Association in their monthly publication.

"The next best thing to having your own farm is working with farmers," she admits. "These people work hard and everyone should know that they're fantastic."

Beth Hemminger, the new correspondent for Franklin, Cumberland and Perry counties, reveals that farming life is what she knows best.

Beth was raised on a small farm near Newville in the Cumberland Valley. Next door, or one-half mile by the way the crow flies, her grandparents milked 40-50 cows on a 250-acre farm that is nestled into the hillside.

Beth says she played with the calves and cows as a toddler. As she grew she anxiously awaited the moment when she could join the Cumberland County 4-H Dairy Club with her sister.

This active correspondent showed Milking Shorthorns, Jerseys, and Holsteins during her 10 years in the Dairy Calf Club, traveling to shows throughout the state and beyond its borders.

Beth says, "I believe that showing 'gets in your blood' and you can never shake the excitement and thrill you feel being in that show ring or even standing at ring side."

Along with the Dairy Club activities, Beth also became involved in other 4-H projects and clubs. Her projects consisted of sewing, cooking, gardening, photography, and leadership.

Beth also found the time during her project years, to write a 4-H column for her local paper. Her column was entitled '4-H News and Notes' and contained information from new 4-H projects to the latest round-up winners.

During her 10 years in 4-H she compiled quite a record and was selected as the 1976 Pennsylvania State Leadership winner and attended the National 4-H Conference in Chicago.

After high school and her 4-H work was completed, Beth decided to expand on one 4-H project she enjoyed the most — sewing. Beth says, "I felt it was time for this farm girl to go to the city." She went to Los Angeles to attend college majoring in fashion design and journalism.

After completing college, Beth decided "the city life wasn't for this farm girl." She immediately returned to the farm in Newville and began reporting for the local paper.

"Best of all I returned to a farming community, with open spaces, gardens growing, visible wildlife and much, much more."

She adds, "Now, being a correspondent for the Lancaster Farming newspaper, I can specialize in what I like and enjoy best, the farming life."

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Veal producers

(Continued from Page A34)

it. That's why we're looking at it," Grusling said.

The Wisconsin farmer explained that for now, veal producers must rely on outside organizations, such as the American Farm Bureau Federation and agri-businesses, for research and funding.

"The veal producers don't have a lot of money," Grusling said. However, she explained the animal

welfare attacks provided a focal point for veal producers across the country and as a result, state and national veal organizations are gaining strength.

Concerned about the HSUS campaign, Grusling tagged the movement, "an obvious fund-raising drive."

Her concern, however, goes deeper than that of a veal producer. Grusling admitted the

campaign against livestock concerns her as an American housewife and consumer.

"Any time you take a piece of meat off the counter, for any reason — you're taking away a meal from someone," she emphasized.

Not far from Grusling's farm, Provimi, Inc., has already started 80 calves on the proposed Quantock method.

"This has been one of the most expensive research projects," reported Provimi Sales and Service Manager Jim Mallman.

Mallman explained that Provimi completely remodeled a third of their research barn, which entailed removing stalls and

repouring the barn floor.

In addition to working with British experts on the research, Provimi is also conducting studies through the University of Illinois.

"We have gone into the research with a very open attitude and are even using a British herdsman for the project," said Mallman. He

paign launched by HSUS. One of the keynote proponents of the crusade is Dr. Michael Fox, director of HSUS Institute for Animal Problems.

The ad, Mallman said, reportedly cost about \$9,000 and was paid for by a private citizen, Regina Bouer.

"The by-product of the animal rights issue is that we have a great deal to gain from working so close with animal scientists. Our strength is in our program."

explained that his company is giving the research every chance to succeed.

"But we very strongly believe that calf stalls are as humane or more humane as any system," Mallman asserted.

Provimi has employed the use of several leading animal scientists in an advisory capacity when researching the health and comfort of animals, said Mallman. He explained that on a recent tour of Provimi facilities, experts could not find anything inadequate except for a minor change in the packing plant.

"The by-product of the animal rights issue," explained Mallman, "is that we have a great deal to gain from working so closely with the scientists. Our strength is in our program."

Mallman criticized a recent move by HSUS which placed a large advertisement in the widely-circulated New York Times newspaper. The ad attacked veal management and in effect, said Mallman, asked the public to boycott milk-fed veal. The ad marked the beginning of a year-long anti-veal advertising cam-

"We could have used the \$9,000 to conduct research," he stressed.

Long before the ad hit the New York Times, and long before Burger King was picketed, Lititz veal producer Allen Weaver built a new calf barn to "make things a little nicer for the calves," he explained.

Weaver, who said he hasn't heard much about the animal welfare issue, constructed a new barn more than a year ago. The 120-head facility has an improved ventilation system, plastic-coated floors for increased comfort and no ties. His calves are still in individual stalls but they are not tied.

He switched to group pens and a robot nurser for a short time but said the system didn't work well in his operation.

"Some calves drank too much, others didn't drink enough," he explained.

When asked if his calves were raised in total darkness, the Lititz farmer laughed.

"Of course not, we have windows. It is a little hard to work in the dark," Weaver replied.

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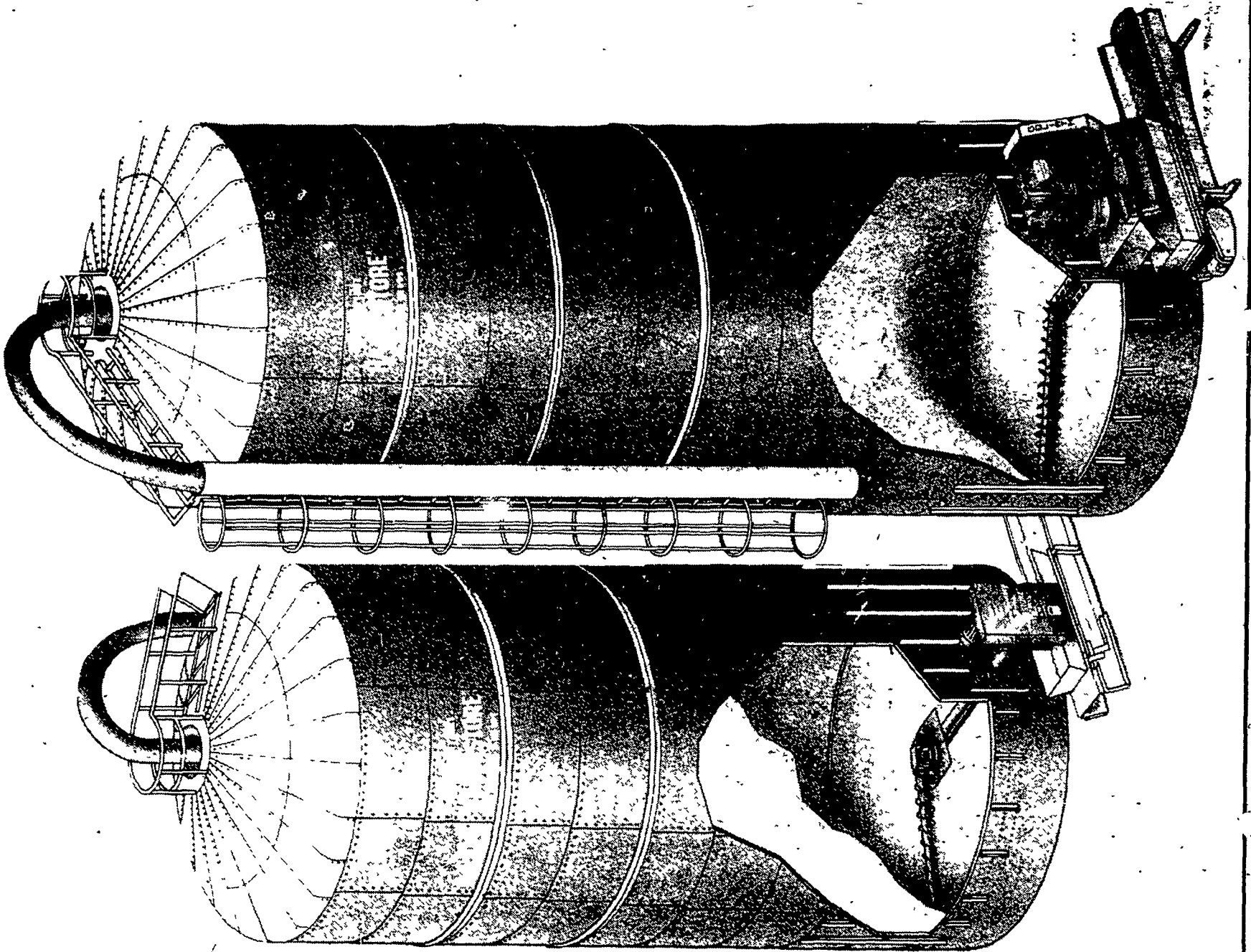
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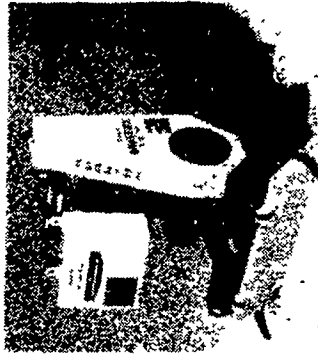
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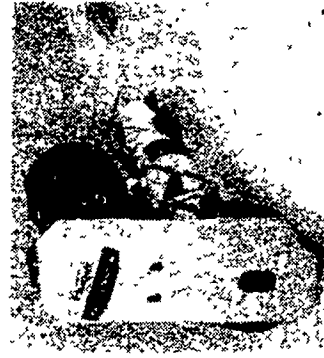
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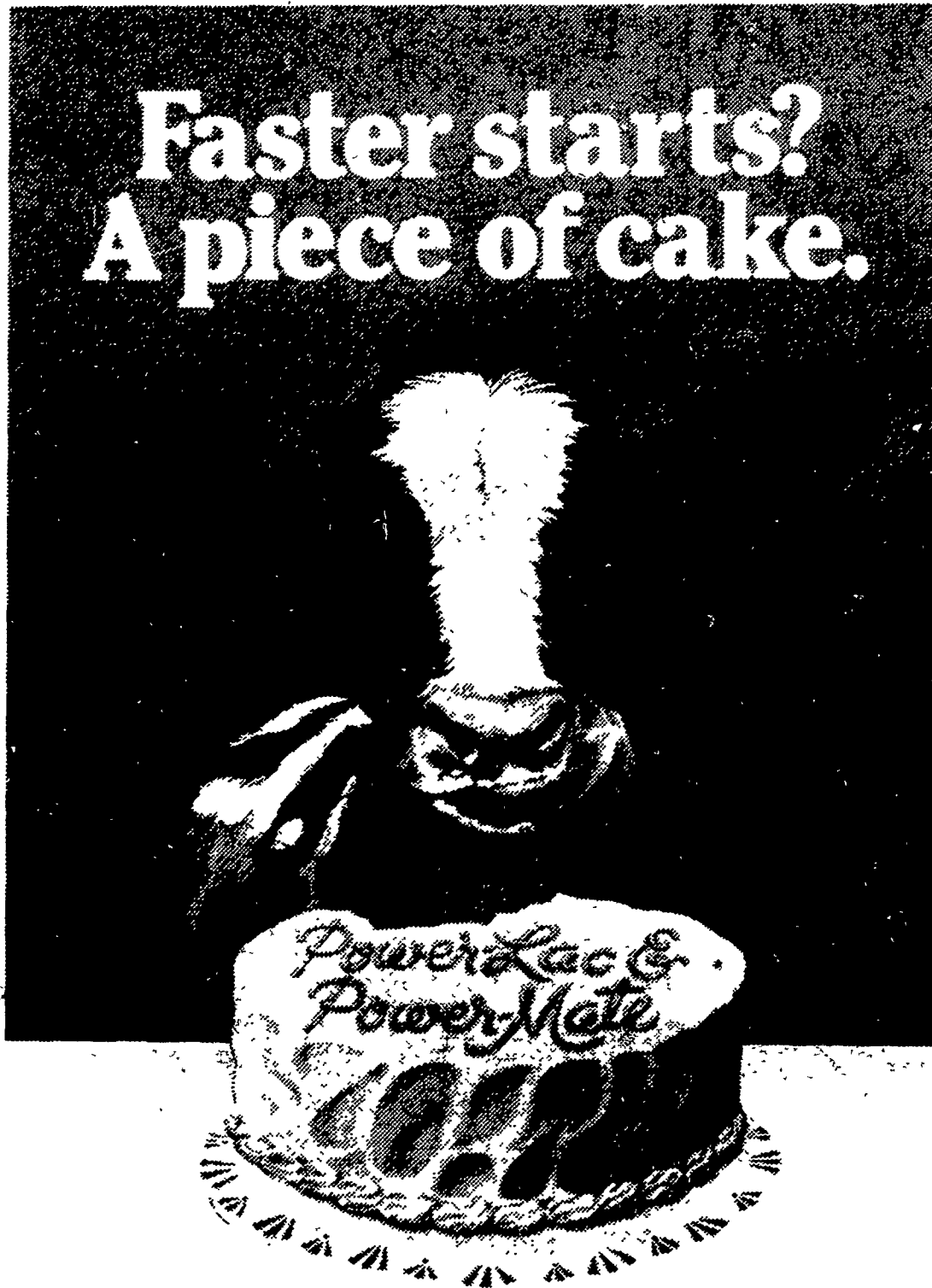
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To our loyal friends
Both old and new
Our best wishes
For a **HAPPY NEW YEAR!**



BY PATTY GROSS
Staff Correspondent

"If there are things you want to do bad enough, you will do them."

Charlotte Schaeffer of Charlesville, Bedford County, lives by that statement. Charlotte is considered by many to be tops in the craft field. By popular demand, the leader of projects in the county garden club and Bedford Extension Service programs, also demonstrates her craft-making ability in the Bedford County schools.

"You can do anything you set your heart to doing," admits Charlotte. "Through doing, I learned and increased my knowledge so that I was able to share with others."

Charlotte recently shared her knowledge with Extension homemakers at an open house for the holidays. The Bedford County group used the theme "Herbs & Spice and Everything Nice" to decorate the stone colonial home of Norma and Dan Pejack in Rainsburg. Nearly 400 people, in one day, toured the house which dates back to 1805.

The optimistic Charlotte was one of the chairpersons for the activity. She says they stay within their theme and decorated every room in the dwelling with greens, spices, fruits, quilts, old fashioned crafts and antique toys.

For Charlotte the beautiful decorations come easy. Her specialty is feathers. Charlotte explains that her husband and adult son and daughter work together on her projects. "A family of hunters and friends come in handy when you need feathers," grins Charlotte.

Charlotte herself is a hunter of deer and rabbit, but must depend on others for the turkey, duck, goose and pheasants.

The gorgeous colors in the ringneck make it the Bedford County woman's favorite. Charlotte prefers the birds to be skinned and then she salt cures the hides. She uses the tail, wings and clumps off the hide to glue onto styrofoam cones.

Miniature feathered wreaths and wall hangings with the beautiful fanned tails are favorites of her friends. Charlotte keeps her scraps cleaned up by fastening individual feathers to wire with floral tape, which turn into wisps of lovely flowers.

In her most recent wreath project, Charlotte even used the feet of a turkey as an unusual wildlife display.



Charlotte Schaeffer, right, looks over the Christmas tree which will soon come down until another festive season. The Bedford County woman and other Extension homemakers

decorated the home of Norma Pejack, left, of Rainsburg for an open house.

"Do something with yourself"

Craftmaker urges others to be creative

"Christmastime is my favorite time to make decorations," explains Charlotte. Her home is filled with feather creations, but she says they don't take all of her time or money.

In addition to her artistic talent, she has a great love for cooking. The orchard on the 160-acre beef and dairy farm comes in handy too. Apple, cherries, peaches, pears, grapes, blueberries and chestnuts are other proud hobbies.

Charlotte says making displays doesn't have to be a large investment. "Feathers are my own special thing, but not everyone has access to them," admits the homemaker. "I teach people to use what they have at their disposal. Everyone can gather goldenrod or grow spices. You grow what's needed or gather it in the woods."

Charlotte suggests that if you want to debut your craft career in a small way to try a straw wreath. She goes on to say that you should make a cardboard ring and fasten sections of straw to it with fishing line. Once completed attach "anything"

for highlights. Charlotte points out that it's beautiful, easy and inexpensive. "There are so many things year round that you can do

with a straw wreath. Compromise with what you have. There is a rule you should follow; in anything that you do, mechanics is

most important," emphasizes Charlotte. "If you don't do a good job of putting it together, it won't look good for very long."

(Turn to Page B4)



Charlotte and Norma decorate the Pejack home along with other Bedford County women using the theme "herbs and spice and everything nice."

Homestead Notes



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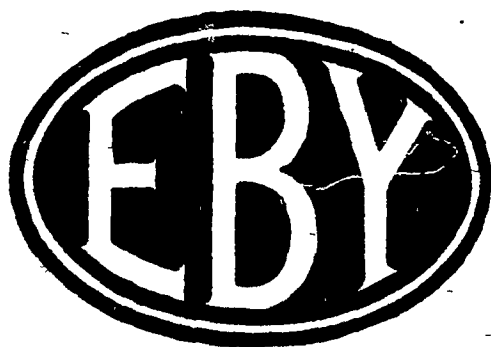
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Do something with yourself

(Continued from Page B2)

It's not just close friends of the Charlesville-born woman who praise her. Judges have awarded honors to Charlotte's work for the past 25 years. She passes the credit on: "Extension is rewarding and has enough to offer everyone."

The exuberant woman feels that people should not sit around and think about their problems. She has a remedy for a happier life: "Get busy with a 4-H group, Extension classes, garden club or church work."

Charlotte has a long list of extension projects with which she participates. Caning, upholstering, pierced lampshades, tailoring and wheat

weaving add variety to her life, but still gives her time to work on another favorite project—a backyard fishpond. Activities won't slow her down just because the holidays are over. Already Bedford County women are busy planning next year's theme for their home tour.

Charlotte wishes to spread good cheer around by urging people to "do something with yourself." She recommends using your imagination and experiment with projects. All that's needed, according to Charlotte, is constructive criticism. "Stand back and look at what you've created."

Charlotte challenges all to give it a try.

Soil Conservation Society sets '82 dates

ANKENY, Iowa — "The Politics of Conservation" will be the theme of the 37th annual meeting of the Soil Conservation Society of America, August 8 - 11, at the Marriott Hotel in New Orleans, Louisiana.

The program will focus on the political forces that shape conservation policy and practices. Speakers from government and the private sector will look in

particular at how political affairs influence the application of conservation practices on the land and how conservationists can use the political process to achieve conservation goals.

"The program is planned to develop in each registrant an awareness of the political process and how it relates to them and their profession," according to Program Chairman Richard

Hollier of Opelousas, Louisiana.

Alton Mangum of Alexandria, Louisiana, will head the Local Arrangements Committee.

The Soil Conservation Society of America is a private, nonprofit scientific and educational association dedicated to advancing the science and art of good land use. It has more than 13,000 members in the United States, Canada, and 80 other countries.

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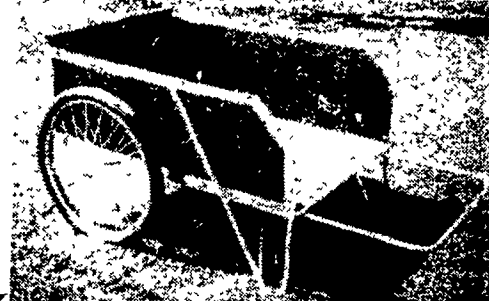
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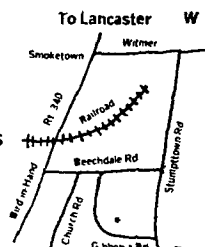
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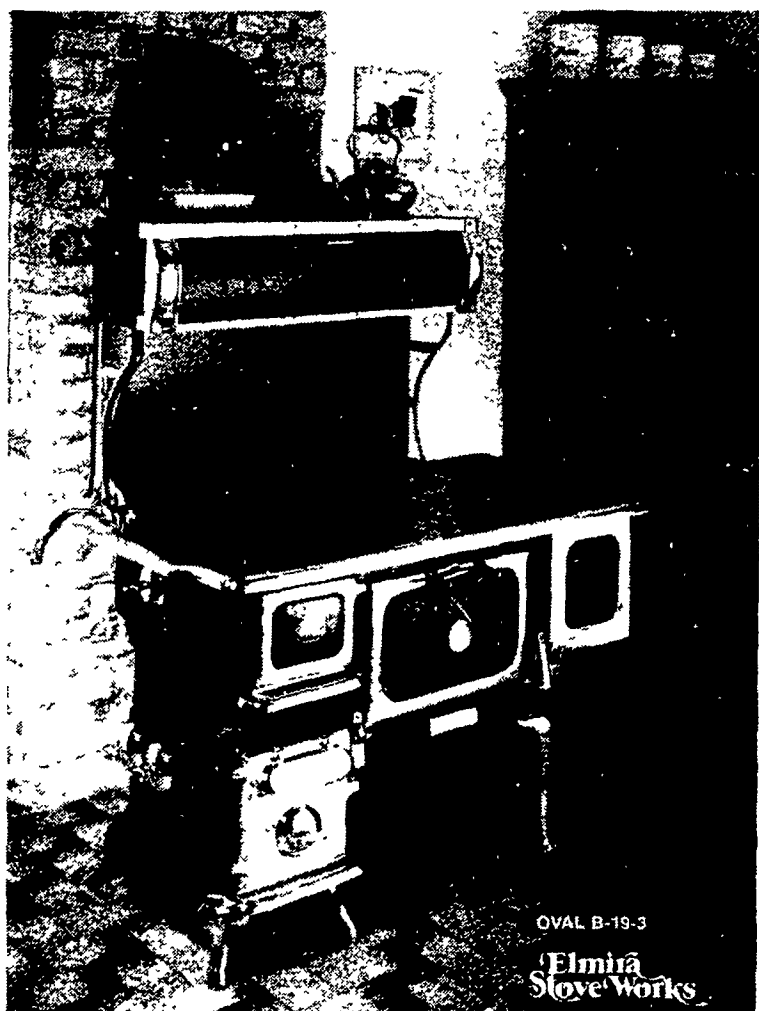
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Bunk Bed Set (Complete, incl. bedding)	309.95	209.95	138.00
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Ladies Have You Heard?

By Doris Thomas

Lancaster Extension
Home Economist

FURNITURE FIRST AID

The first rule of furniture first aid is the same as for personal first aid — act quickly. Blot up any spills with a clean, absorbent cloth. The most serious spills are those involving nail polish, milk, perfume, medicines, or anything containing alcohol.

Both milk and alcohol can soften or dissolve a finish if left too long. Rinse with a damp cloth to be certain that all the spilled liquid has been removed, then dry the

surface thoroughly using a clean, absorbent cloth and wiping with the grain. Apply wax or polish over the entire surface, not just where the spill occurred.

A paste of pumice stone and mineral oil, applied with the fingertips, will remove alcohol stains. Rub gently until the stain disappears, wipe off, clean with a damp cloth, dry and repolish. Water marks and milk stains will usually disappear when rubbed by a soft cloth dampened with a few

drops of camphorated oil. Next, rub vigorously with a clean, dry cloth and wax.

For minor scratches, first try polishing the surface with a scratch-concealing polish. If that doesn't work, remove the wax and apply a touch-up stick in the same color as the furniture. You can also use a crayon or shoe polish. Rub the scratch concealer into the scratch, wipe off the excess, then polish the entire surface with your regular wax or polish.

Melted wax can be removed from furniture by holding an ice cube on the wax spill for a few seconds, crumbling off as much as possible and scraping gently with the dull edge of a table knife. Or place a heavy blotter over the wax mark and iron it with a warm — not hot — iron. Then rub the spot briskly with a cloth saturated with liquid furniture polish until the stain disappears.

Minor dents can sometimes be removed by placing a dampened blotter over the dented area and

apply a warm iron to the blotter. Dampen the blotter and repeat the process until the dent disappears.

In the case of a major accident, consult a professional refinisher who can often work wonders. Find wood furniture is worth the time and effort to keep it looking its best.

VITAMIN C RETENTION

Very little vitamin C is lost during the processing of oranges and grapefruits into canned, refrigerated, or frozen forms. In fact, losses seldom reach 3 percent and generally average 2 percent.

This means that the vitamin C content of processed juices is substantially the same as that of fresh juices. But what you need to be concerned about is the vitamin C content at the time of consumption. This is determined

mainly by storage temperature time, and the storage container used.

Canned orange juice, stored at 40° Fahrenheit for 12 months will retain 97 percent of its vitamin C. After the can is opened, losses occur — but slowly. After eight days of storage in a glass or high quality plastic container the juice will still retain 93 percent of its ascorbic acid (vitamin C). After 16 days, 77 percent is retained.

Some poor quality plastic containers let air in which hastens the vitamin C loss. All containers should be kept closed when not in use to keep air out.

To get the most of the orange and grapefruit juice your family drinks, store it in tightly closed glass or high quality plastic containers and drink as soon as possible.

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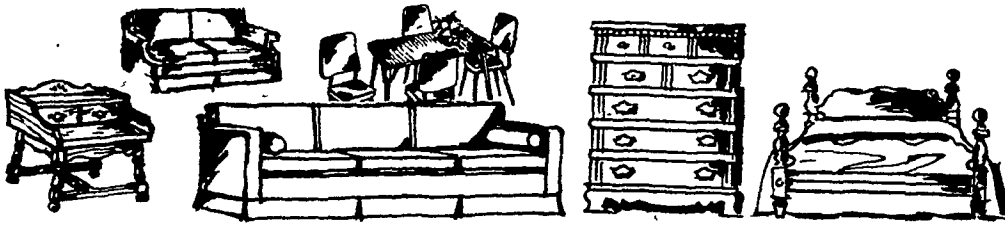
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Farm Women Societies

Lancaster Co. Society 3

Lancaster Farm Women held their annual Christmas party, December 18, at the Salem Lutheran Church, Ephrata.

Entertainment was provided by Debra and Jane Gregory and

Hazel Ulrich. Mrs. Ulrich spoke on "Christmas is a time for legends."

The next meeting will be on January 16 at the home of Mrs. Barbara Wenger.

Lancaster Co. Society 31

Lancaster Society 31 held their annual Christmas party at the Robert Fulton Inn recently.

Twenty-nine members attended

the event.

The next meeting will be January 18 at 7:30 p.m. at the home of Ruth Clark and will be a mystery supper.

F.W.S. Calendar

Wednesday, December 30
Lancaster Society 4 meets at the home of Lois Will for a covered dish luncheon

Thursday, December 31
Lancaster Society 11 meets for a

gift exchange and a Christmas party

Thursday, January 7
Lancaster Society 20 to see slides of the Safe Harbor Ice Jam

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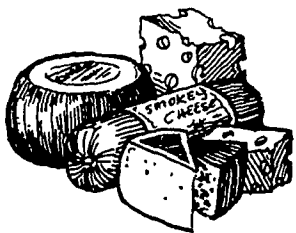
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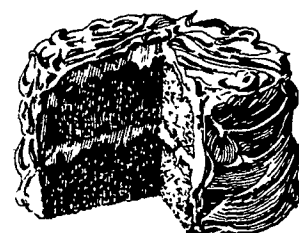
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Home On The Range



Serve vegetables with a flourish

No food group adds color to your table like the colors of the vegetable group: the sun-yellow corn, the grass-green broccoli and peppers, the dull orange of the carrots and the burnt red, ripe tomatoes served in multi-colored dishes makes any amount of food appear quite a feast.

Although stocked full of vitamins, vegetables can be ignored by your family if they're served the same ol' way every time. So dig out your cookbooks and scan the page below for new ways to serve the Earth's gift.

SOUTHERN GREEN BEANS

1/3 lb. bacon
2/3 c. onion
2 T. wine vinegar
1/4 t. pepper
1/3 c. bacon fat
4 c. green beans, cooked
1 T. salt
1/2 c. salted peanuts

Slice bacon into 1/2 to 3/4 in. pieces, saute until crisp. Drain bacon and reserve 1/3 cup fat. Remove bacon. Saute onion in bacon fat until golden color. Add cooked green beans, wine vinegar, salt and pepper. Simmer 12 minutes then add bacon bits and peanuts and cook 5 minutes longer.

BROILED STUFFED TOMATOES

3 large tomatoes
1/2 c. bread crumbs
1/2 t. salt
dash of pepper
1 small onion, chopped fine
parsley, chopped
3 oz. sharp cheese, grated
3 T. butter

Cut tomatoes in half diagonally. Scoop out pulp in bowl and mix in other ingredients. Stuff tomato shell. Broil 8 inches from heat 7 to 10 minutes.

CORN CURRY

3 T. butter
2 c. cut fresh corn
2 T. chopped green pepper
2 T. chopped onion
1/3 t. curry powder
salt and pepper
1/2 c. dairy sour cream

Melt butter in skillet. Add vegetable and curry. Cover; cook over low heat till vegetables are just tender, 8 to 10 minutes. Stir in sour cream; season to taste. Heat, stirring constantly.

TOMATO CORN BAKE

3 small tomatoes
1 cup corn
2 oz. shredded Swiss cheese
1 T. sliced green onion

Cut tomatoes in half crosswise; remove seeds and most of pulp from center of each. Sprinkle cavities with salt. Combine corn, cheese, and onion. Firmly pack 2 to 3 tablespoons corn mixture in each tomato half. Place in shallow pan. Bake in 350 degrees oven for 20 to 25 minutes.

CRANBERRY YAM BOATS

3 large yams
1/2 c. cranberry-orange relish
1/4 c. raisins
1/3 c. packed brown sugar
1/2 t. salt
3 T. butter
1/4 c. broken walnuts

Cook yams in boiling salted water just till tender. Remove skins. Cut yams in half lengthwise; scoop out centers. Set shells aside. Combine potato and the relish; whip till fluffy. Stir in raisins. Pile into yam halves. Combine sugar and salt; cut in butter. Stir in nuts. Sprinkle sugar mixture over. Bake in 350 degree oven for 30 minutes.



What better way to serve vegetables with a southern favorite: tomatoes, lettuce, peppers, carrots, onions, etc. Most every vegetable goes well in this

MARINATED VEGETABLE MELANGE

2 cans chicken broth
2 bay leaves
salt and pepper
1/2 lb. small white onions
4 c. thin raw carrot slices
29-oz. pkg. frozen green beans
2 c. celery, thin slices
2 c. sliced asparagus or broccoli
1/4 c. olive oil
1/2 c. lemon juice
1/2 t. brown sugar
1 clove garlic, minced
snipped parsley

Early in day in undiluted broth, with bay leaves, 4 t. salt, 1/2 t. pepper in covered kettle, cook onions and carrots 5 minutes. On top of onions and carrots, place beans, celery and then asparagus. Sprinkle with 1 teaspoon salt. Cover, bring to boil. Boil 8 minutes or until tender crisp. Drain and refrigerate. Combine oil, lemon juice, pepper, mustard, brown sugar, garlic and salt. Refrigerate. At serving time, toss and add snipped parsley.

Barbara Russell, Pine Bush

MUSHROOM SALAD

1 T. butter
1 lb. fresh PA mushrooms
1 jar green olives
1 can pitted ripe olives
1 green and 1 red pepper
6-8 fresh carrots
2 medium onions



Luscious green broccoli, whether served with butter, eggs or cheese, is a perfect side dish for almost every meat.

1 bunch celery
1 jar Italian dressing

Drain olives. Saute mushrooms in butter until just barely cooked. Meanwhile, slice peppers, carrots, onions and celery and put in large bowl. Add mushrooms, plus liquid and olives to vegetables. Pour Italian dressing over all and marinate overnight, stirring frequently.

CUCUMBER HOR D'OEUVRES

18-oz. pkg. cream cheese
16-oz. pkg. Italian dressing
1 loaf sliced rye bread

1 large cucumber, skinned and sliced

Mix at room temperature, the cream cheese and the Italian dressing mix. Spread on the rye bread. Garnish with a cucumber slice. Season with small amount of salt if desired, and pepper. Keep any remaining spread in the refrigerator, or use as a vegetable dip for carrot sticks, and slices of celery, and cauliflower. Refrigerate until ready to serve.

(Turn to Page B8)

Cook's Question Corner



ANSWER — H. Showalter, who earlier requested recipes using persimmons, can now find a few at the end of the recipe section above.

NOTE — Have a happy new year!

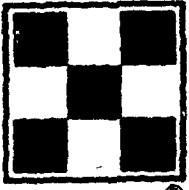
Recipe Topics

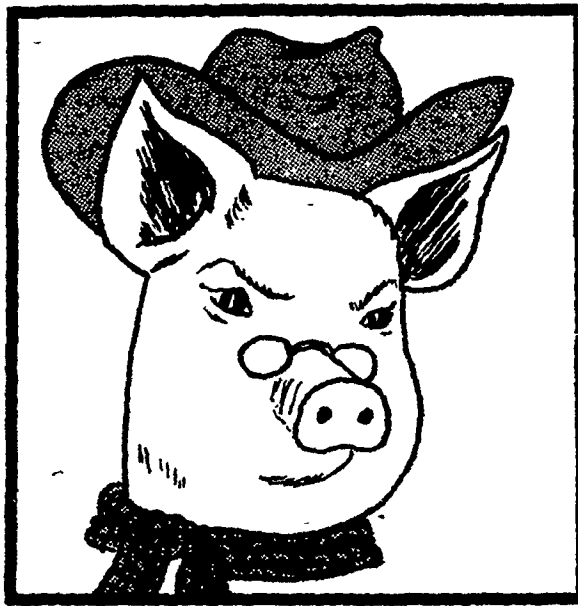
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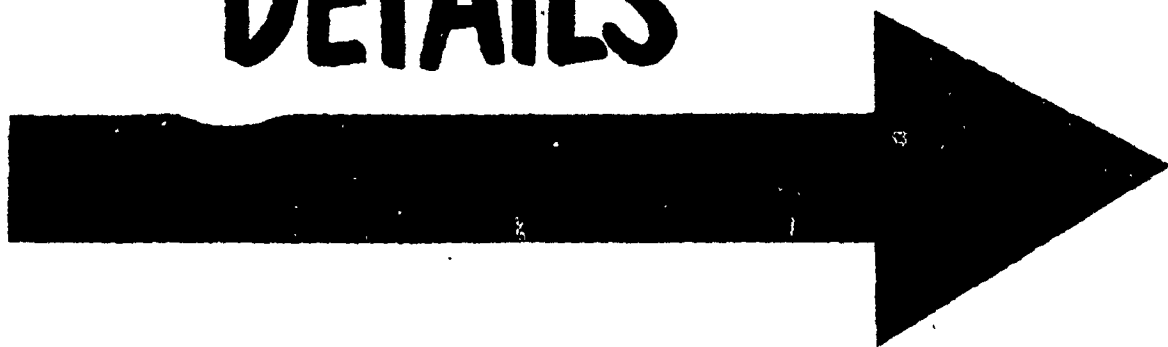



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Serve vegetables

(Continued from Page B6)

Following are recipes using persimmons as requested by H. Showalter:

PERSIMMON PUDDING

2 c. persimmon pulp
3 eggs
1 3/4 c. milk
2 c. sifted flour
1 1/2 c. sugar
1 t. salt
1/2 t. baking soda
1/2 t. cinnamon
1/2 t. nutmeg
3 T. melted butter

Mix persimmon pulp, eggs, milk. Sift dry ingredients together and pour liquid mixture into them. Stir in melted butter and pour into shallow greased 13x9 inch pan. Bake at 325 degrees for 50-60 minutes. When cool, cut into squares and serve plain or with whipped cream.

Mary Hoover, Stevens

PERSIMMON FRUITCAKE

1 1/4 c. persimmon pulp
2 t. soda
1 c. each brown and white sugar
3/4 c. shortening
2 eggs
2 1/2 c. flour
2 t. cinnamon

1 t. nutmeg and cloves
2 T. white vinegar
1 jar candied fruit mix
1 c. raisins
1 c. chopped nuts

Mix persimmon pulp, soda, sugars, and shortening until well blended. Add eggs and beat well. Add dry ingredients alternately to the mixture with vinegar. Mix in the fruit and nuts. Pour into 2 greased and floured loaf pans. Bake at 350 degrees for 1 1/2 hours.

Mary Hoover, Stevens

PERSIMMON COCONUTS

1/2 c. butter
1 c. sugar
1 c. persimmon pulp
2 eggs
1/2 t. vanilla
1 1/4 c. flour
1 t. soda
1 t. salt

2 c. quick rolled oats
1 c. Wheat Chex
1/2 c. coconut
1/2 c. chopped nuts

Cream together shortening, sugar and persimmon pulp, eggs and vanilla until smooth and creamy. Sift the flour with soda, salt and cinnamon. Add to creamy mixture

with electric beater until smooth. Fold in oats, crushed wheat chex, coconut and chopped nuts. Place on cookie sheet by heaping teaspoons. Bake at 350 degrees for 12 to 15 minutes.

LANCASTER — In the days of Model-T Fords and steam-powered threshing machines, farm living was a major part of the American lifestyle. Nearly one out of every three Americans lived on farms in 1920.

Today, it's only about three out of 100.

Although the rate of decline in the farm population slackened off in the 1970's, people are still leaving the farm faster than they're being replaced. From 1978 to 1980, the number of farm residents fell by 450,000 to about 6 million.

Also, farm residents no longer make up the majority of the agricultural work force of farm operators, family members, and hired employees.

with electric beater until smooth. Fold in oats, crushed wheat chex, coconut and chopped nuts.

Place on cookie sheet by heaping teaspoons. Bake at 350 degrees for 12 to 15 minutes.

For slight variety, press tops of mounds lightly with a table knife before baking for a crunchy wafer.

Fran Westfall, Spring Grove

Farm residents, a shrinking minority

Only 47 percent of the 3.5 million people working in agriculture in 1980 lived on farms. Fifty years ago, 87 percent lived on farms.

Wage and salary farm workers, in particular, are more likely to live in towns and cities than they did in the past. In 1980, about 8 out of 10 agricultural employees lived off the farm.

Of course, farm residents as a group are more likely to work in agriculture than other industries. However, more men are employed on the farm full time, while working farm women most often take nonagricultural jobs. When working off the farm, men usually go into manufacturing, while women take service jobs.

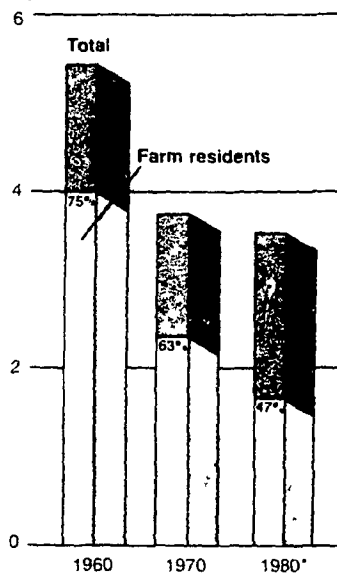
The farm population has a lower proportion of blacks than the non-farm population. Last year, 4 percent of all farm residents were black, compared with 12 percent of the nonfarm population. Only 1 percent of all blacks lived on farms, down from about half the black population in 1920.

In 1980, nearly half the farm population lived in the north central states. The south, which ranked first until 1965, had 36

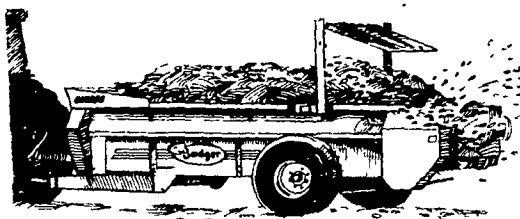
percent of the total. The west held 12 percent, while the northeast had 7 percent.

Less Than Half of Agricultural Workers Now Live on Farms

Agricultural workers (in millions)



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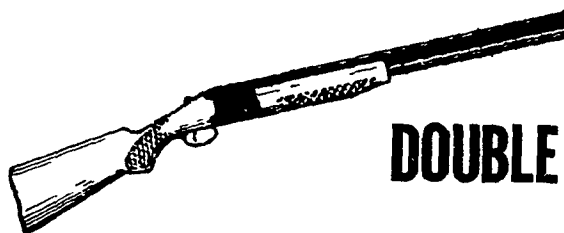
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Keep warm during cold weather field work

LANCASTER — With cold weather already here and people searching for ways to stay warm, the National Association of Hosiery Manufacturers and the Woolen Hosiery Institute are suggesting that consumers give careful consideration to their clothing needs, and to the natural characteristics of certain fibers, like wool. Whether you face lowered thermostats at home in the house or barn or in the field what you wear is certainly an important part of the effort to fight off the cold. And cold weather presents more than just discomfort; there is also real danger from over exposure and frostbite especially when you work in the fields for a great length of time. And what you wear, including your hosiery, deserves important consideration.

But more people have little or no understanding of how their bodies react physically to such weather, nor do they fully comprehend the various natural characteristics of certain apparel items and types of fibers.

There is an important relationship between the body, the environment, and the proper clothing that should be understood. By not fully understanding this relationship, people trying to

protect themselves often make the situation worse.

Physically, the human body tries to maintain a steady temperature of 98.6 degrees for the comfort and protection of the major internal organs. Deviation of this body temperature by just a few degrees can cause illness, or even death.

As everyone knows, the body produces heat on its own through various body functions and activities. You are readily aware that strenuous activities during hot weather builds up body heat which is passed off by sweating. But heat can also be lost simply because the surrounding temperature is cold and is reducing the body heat faster than you can produce it.

Shivering is the usual result, and a sure sign that people should take precautions to protect themselves. Without protection, fatigue, confusion, dizziness, and loss of coordination can occur as the condition worsens. In extreme cases of such "over exposure" death can even occur in less than an hour.

Naturally, the only real cure for such cases of extreme "over exposure" is to get inside out of the cold weather. Exercise also produces body heat, and can ac-

tually save your life during an emergency until you reach safety or help arrives.

But these are "extreme cases," and what most people are concerned about is simply being comfortable during this period of cold weather. Proper clothing is the best defense in combating both the extremes of exposure to the outside elements, and the discomforts of a "chilly" house or barn.

One should not forget that the body also can get "over heated" even in cold weather, and this is why it is important to choose the "proper" clothing for the specific situation. The "layering" of clothing has long been advocated as the best idea. This way, layers can be added or subtracted as needed to control comfort. The air trapped between the layers provides insulation and is heated by the body.

It is also important to ensure that the body can "breathe" and allow moisture to pass through the

fabric and away from the skin, while moisture from rain or snow is prevented from entering.

The natural fiber wool has been the choice of people for years for many apparel items because it is a natural insulator for the body from outside changes in temperature, and because it absorbs moisture well and dries from the inside out so that you do not have wet feeling next to the skin.

Under normal conditions in winter, people most often complain of cold feet and cold hands. While the torso is somewhat easier to keep warm, it is more difficult to keep these extremities up to the proper temperature.

A lot of people in this weather move to the use of wool socks. This will probably suffice for inside wear, but when moving outside, a light-weight wool sock covered by heavier hosiery will go a long way in keeping your feet and toes warm

and dry.

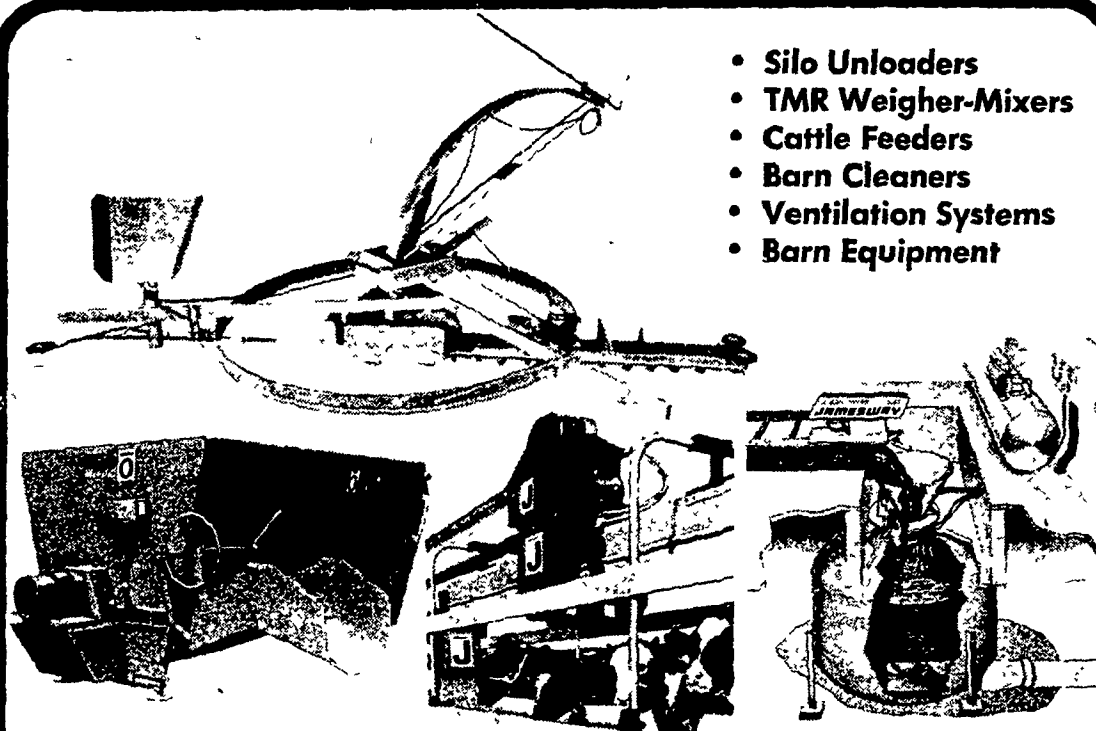
The same principle of course applies to the hands and fingers, where a pair of wool mittens are often better than fully-lined gloves. In fact, many people find the best combination is a pair of light gloves, covered with wool mittens.

Frostbite is an ever-present danger during winter, and most often affects the area around the hands, feet, and face. Frostbite is actually the freezing of water between the cells of the body which results in the formation of ice crystals. It is extremely dangerous and painful and once should not take chances during periods of extreme cold.

The combination of proper clothing and common sense is probably your best guard against the elements of winter. The proper use of apparel items, including hosiery, is always wise.



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Kid's KOrner

Select a puppy wisely

LANCASTER — Few Christmas gifts are more fun or more memorable than the family's first puppy. It's not too early to begin planning for that special gift if you don't have one yet. Check out several books from the library on dogs which tell something about the personalities of different breeds of dogs and the care they require. Choose a breed that matches your lifestyle and living situation. You'll be happier in the long run.

If you don't fancy long walks, select a small dog. Poodles are always popular, because they're bred to be house pets. Beagles are another favorite and do not need extensive grooming. Terriers are small but sturdy and usually

energetic enough to enjoy romping with small children. Toy breeds make good pets for teenagers and adults.

On the other hand a large dog may be more your family's style, especially if you have your own farm. For a sturdy, outdoor type, consider a labrador retriever or a golden retriever. Both are noted for friendly even temperament. German shepherds are one of the most popular dogs because they are excellent pets and watch dogs as well. The German shepherd's super intelligence means you'll have to spend lots of time with him, giving him the training his personality requires.

After the research, it's time to visit breeders and pet shops. When

you buy from a breeder, you will be able to look over your dog's mother and litter-mates. It's a good way to judge the puppy's temperament. Wherever you shop, look for cleanliness and good care. A puppy should be alert, with clean, bright eyes and a plump, sturdy body. Check for a glossy, clean coat, pink gums, clean skin and white teeth—all signs of good health.

If your budget can't accommodate the cost of a pure-bred dog, then visit the local animal shelter. A mixed breed may give you the best of several kinds of dogs, and conscientious animal welfare workers can help you select a pet that will be a happy addition to your home. You can also follow up on the pet ads in your local newspaper.



Teach your puppy tricks, now, while he or she is still young. Remember, there just might be some merit in the old saying, "You can't teach old dogs new tricks."

Hunterdon Co. opens new club

FLEMINGTON, N.J. — The Hunterdon County 4-H office recently announced the formation of 4-H clubs in two new project areas.

Susan Blew, Pittstown, wants to share her interest in cake decorating with young people and is currently organizing a cake decorating club. Susan demonstrates a broad range of interests, as she is also currently a co-leader

of the 4-H Swine Club with her husband, Ted. They indicated that they still can accept new members to this active and enthusiastic group.

Ruth Boyle, Readington Township, began her association with 4-H as a prep club leader, and she has now taken on the leadership of a 4-H Puppetry Club. This club offers a great opportunity for young people with creative minds to utilize their talents. Ruth will

soon be accepting new members on a limited basis, so interested young people should give their name to the Hunterdon County 4-H office as soon as possible.

Hunterdon County currently also offers 4-H clubs in beef, foods, clothing, goats, dairy, dog, gardening, herpetology, horse, rabbits, poultry, prep, community, waterfowl, sheep, square dancing, seeing eye, and twirling.

York holds capon round-up

YORK — The York County Capon Club recently held their annual capon round-up at the 4-H Center in Bair.

Neil Bitting judged 15 capons with Grand Champion title going to Dawn Raubenstine, 15-year-old daughter of Mr. and Mrs. Harold Raubenstine of Hanover.

The capon weighed 11 pounds 4

ounces and was sold to Burton Gillespie Jr. of Seven Valleys for \$3.20 per pound.

Reserve Champion honors went to Michael Kann, 13-year-old son of Mr. and Mrs. David Kann of R2 Spring Grove. The capon sold to John and Mary Kann of Manchester for \$3.30 per pound. His capon weighed 11 pounds 12 ounces.

Jefferson club meets

LANCASTER — The Jefferson Community 4-H Club recently held their annual Christmas party.

Members exchanged gifts and made plans for Christmas carolling at Home Wood and Cross Keys.

Two grange youths earn honors

GERMANSVILLE — Two youths from the Lehigh-Northampton Grange were honored recently for outstanding contributions to junior grange activities.

Honored were: Lewis Trexler

III, son of Mr. and Mrs. Lewis Trexler Jr. of Germansville; and Lisa Koenig, daughter of Mr. and Mrs. Richard Koenig of Slatington. Lewis and Lisa were named prince and princess of the Grange.

Lewis is a seventh grader at the

North Western Lehigh School and is a member of the 4-H Baby Beef Club and the Germansville 4-H.

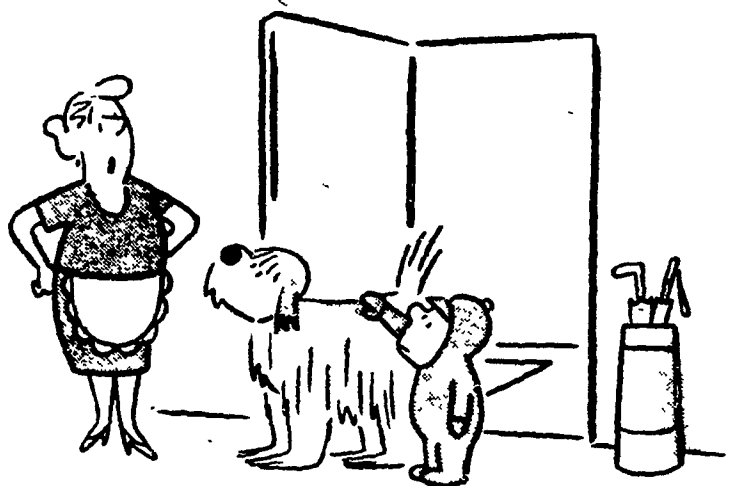
Lisa is an eighth grader at Northern Lehigh Junior High and is a member of the Seeing Eye Puppy Club in Germansville.



Some kids have cats, dogs and fish for pets while others (usually you lucky ones who live on a farm) can have calves, colts, and even

pigs for pets. Here Jeremy Bean and Jennifer Schaeffer play with a calf at the farm of Richard Kieffer in Berks County.

Dog daze

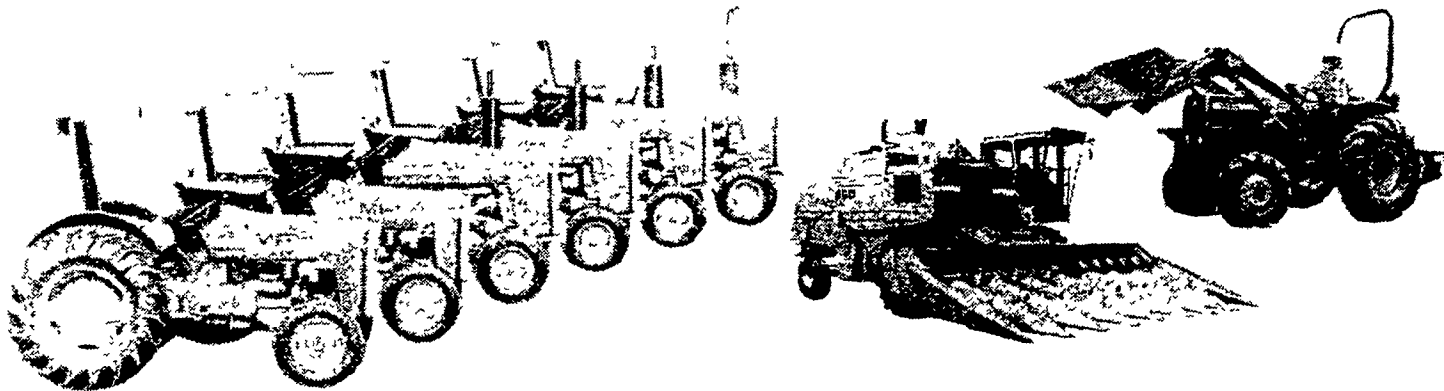


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Pequea Valley tops gas engines contest

INTERCOURSE — Pequea Valley was the winner of the Lancaster County FFA small gas engines competition held last Tuesday at the Pequea Valley High School.

Mark Frey and Jeff Feister, of the Pequea Valley FFA, finished in the top two spots in the competition that included eight teams from throughout the county.

Frey and Feister, along with Darrell Gockley and Cliff Horning, of Garden Spot High School, New Holland, will now comprise the two county teams that will move on to state competition.

Finishing behind Pequea Valley and New Holland in the team standings were Ephrata, Warwick and Manheim.

The top 10 individual finishers include Frey, Feister, Gockley, and Horning in the top four spots, followed by Dave Reed, Warwick, Junior Hursh, New Holland; Ed Sensenich, Manheim, Dean Saylor, Ephrata; Ronald Weaver, Ephrata; and Harold Eberly, Warwick.



Top team and individuals in the Lancaster County FFA small gas engines contest are Jeff Feister, left, and Mark Frey, of Pequea Valley.



Friends name Bucher

LANCASTER — Robert Bucher, an officer of Commonwealth National Bank, Lancaster, has been named a board member of the Pa. Friends of 4-H, a group of volunteers organized to develop financial support for the state's 4-H educational program.

"Last year almost 90,000 members of the state's youth, ages 8-19 were reached through extension Service 4-H programs," Samuel Smith, dean of Penn State's College of Agriculture, points out.

"But this is only 6 percent of our potential audience. With increased support from the private sector many more young people could be exposed to 4-H educational programs in their important developmental years."

Maurice Kramer, state 4-H youth director at Penn State, notes that Pennsylvania Friends of 4-H resources will also be used to increase volunteer involvement in 4-H. Volunteers are the backbone of the 4-H program and currently there are over 13,000 volunteers working with 4-H programming in the Commonwealth.

Pennsylvania Friends of 4-H will be assisting this group by providing them training opportunities throughout the state. During this fiscal year, Friends of 4-H will provide funds to 4-H volunteers to attend a statewide leader's forum in March.



Runnerup team in small gas engines competition includes Cliff Horning, left, and Darrell Gockley, of Garden Spot High School, New Holland.

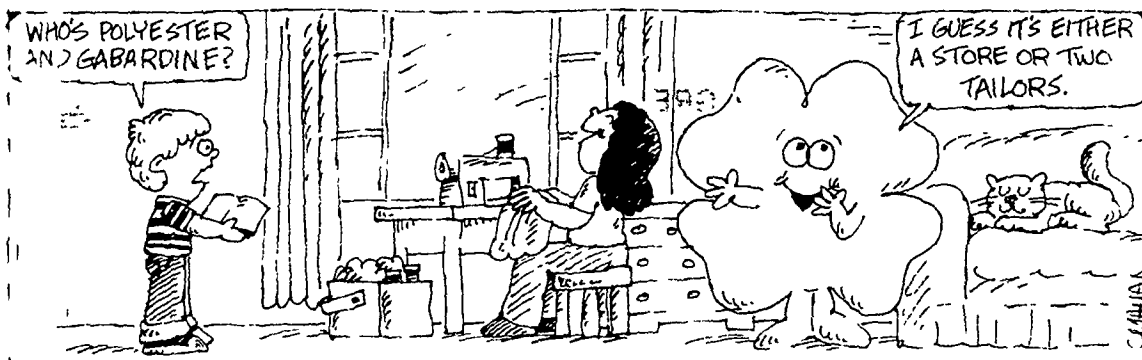
Scholarships will also be provided to key leaders in the area of foods and nutrition, clothing and horse programs to attend workshops to become familiar with program materials and methods of delivery.

At the local level, Friends of 4-H funds provide program grants to counties and regions to support innovative programming in terms of content and audiences reached.

They have also provided support to counties participating in in-

ternational youth exchange programs to defray the costs of sending a county youth overseas or hosting foreign exchange youths in their counties.

"Presently, individuals who wish to support Penn State's 4-H program do not have a viable mechanism to make financial contributions to expand program quality," Kramer explains. "Pennsylvania Friends of 4-H was organized for this purpose."



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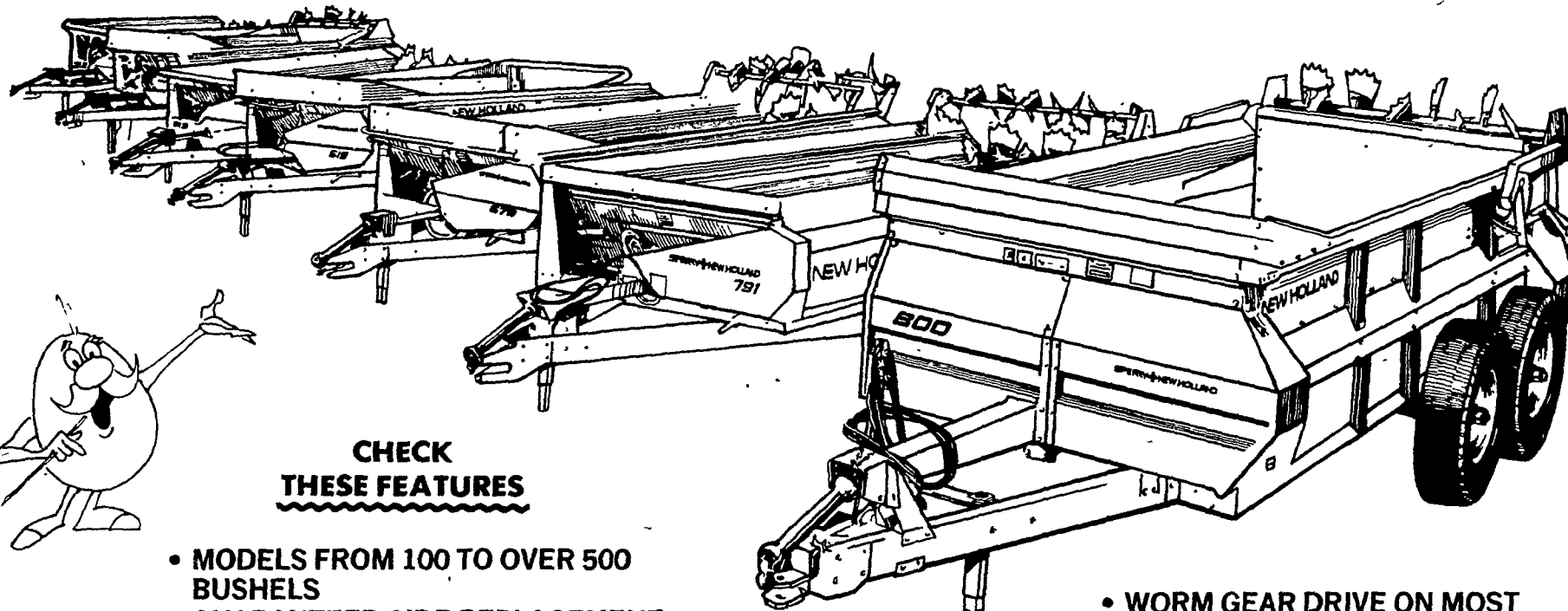
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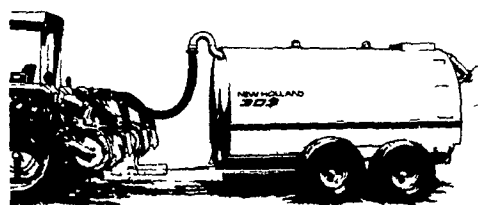
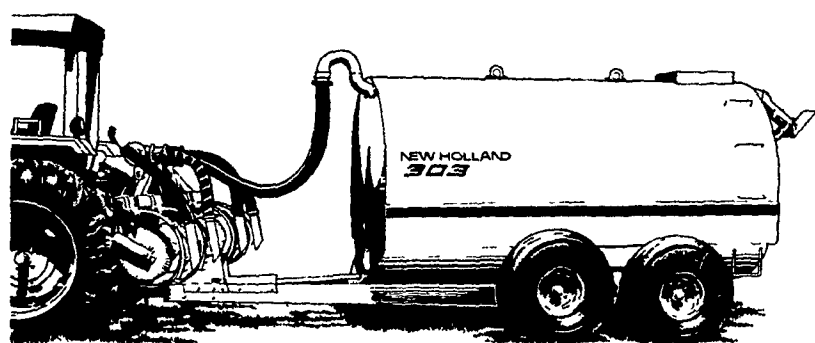
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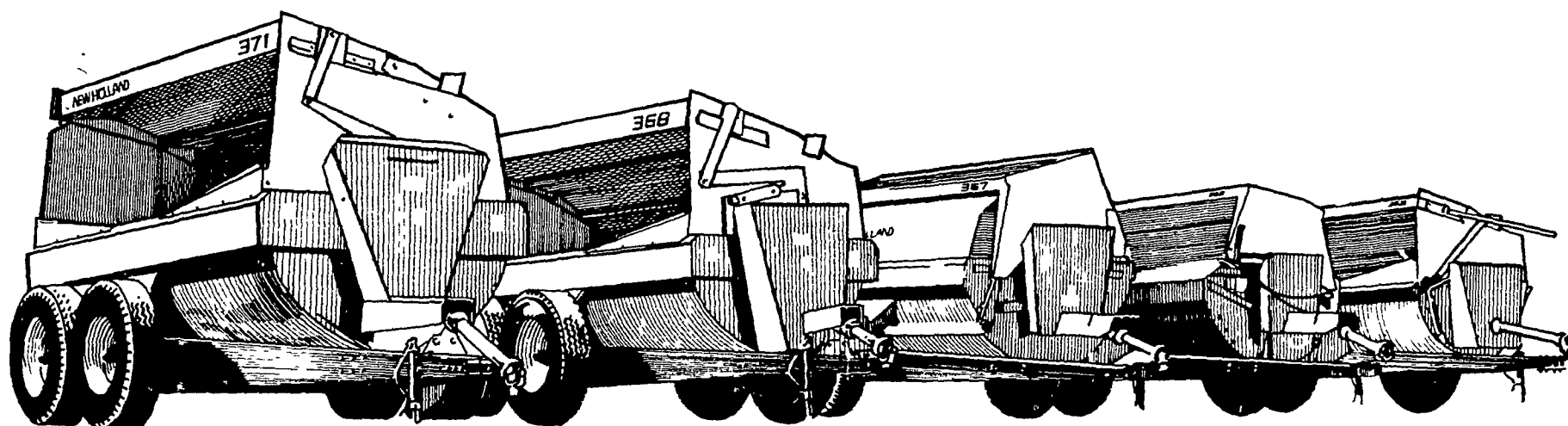
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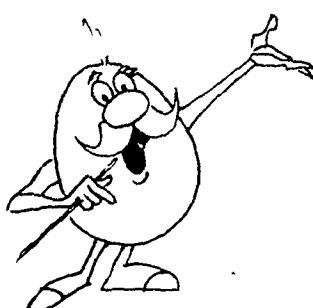
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On being a farm wife - And other hazards

Joyce Bupp

What are your hopes for the New Year?

Likely, you share many of the same long-term dreams that I wish for the New Year: peace for the world and freedom for all those oppressed, a reduction in the national epidemic of crime that threatens our country, and health, happiness and prosperity for my loved ones.

"What would you like in the New Year?" I casually asked our son between Saturday morning cartoons.

"I want my Mom to treat me better," he replied with a half-serious look on his face.

Believe me, that answer set me back some.

"And how should I treat you better?" I demanded, taking some offense at the unexpected direction this conversation had suddenly taken.

"Well, you could take me to Grandma's more often," was his first complaint.

I'm not sure that wish bodes a very happy new year for Grandma, since the kids know that grandchildren can do very little wrong in the eyes of most Grandmas.

"And," he added, "I'd like to play with Jeff more often."

Jeff is a cousin who lives nearby. They only see each other every day at school and on Sundays at church. Together they form sort of a Butch Cassidy-Sundance Kid duo, in matching height, weight, mischievous grins, and talent for sniffing out devilment.

He has one final wish—that Amy has a heifer calf. Amy, an old "granny" cow of ours, has been a prolific bull producer, but we have no daughters in the herd to carry on her line. Since Amy's due to calve in just a few weeks, we won't have to wait long for the verdict on that wish.

And his sister? Well, she also opted to wish for heifer calves. Since every one of her animals has already given her a heifer this past year, I'd say she's pressing her luck for 1982.

Although I hadn't asked him, I know full well that their dad also entertains a wish for abundant heifer calves from the cows in the herd.

And me? I suspect I'd better hope for continued strength, and maybe another calf hutch or two, to raise all these heifer babies.



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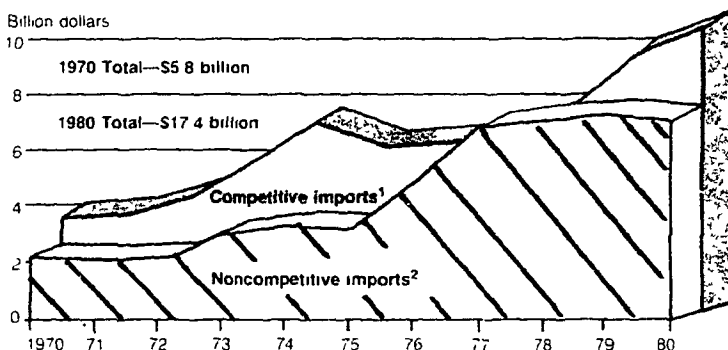
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Foreign sellers in U.S. markets for 1981

The value of foreign agricultural products reaching U.S. shores has steadily increased in the last decade, reaching \$17.4 billion in 1980—87 percent more than in 1975. The increase in competitive products like meat, sugar, and oilseeds was only half the 126-percent increase in noncompetitive products. Imports of competitive products, though, rose faster from 1978 to 1980.

Last Decade Has Seen Sharp Jump in Imports

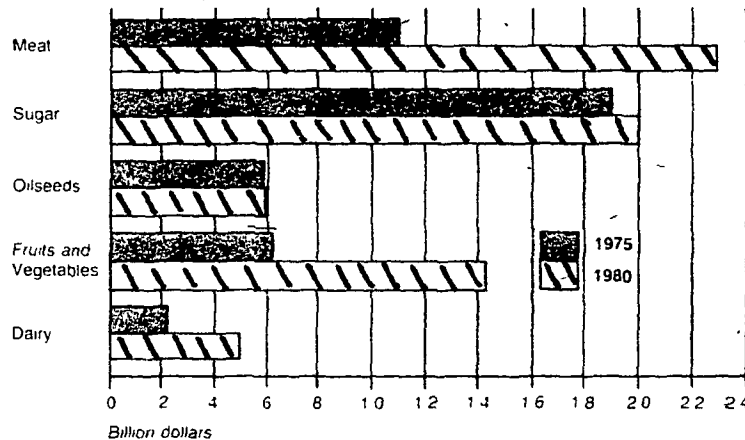


¹Competitive imports include such commodities as sugar, meats, fruits and vegetables, oilseeds and products, and dairy products.

²Noncompetitive imports include such commodities as coffee, rubber, cocoa, beans, tea and spices.

Generally, higher prices were the reason for the 67-percent increase in competitive imports from 1975 to 1980, as volume increased only slightly or decreased for those commodities. Meat was the leader, totaling \$2.3 billion in 1980, double that of 1975.

Meat Leads Competitive Imports



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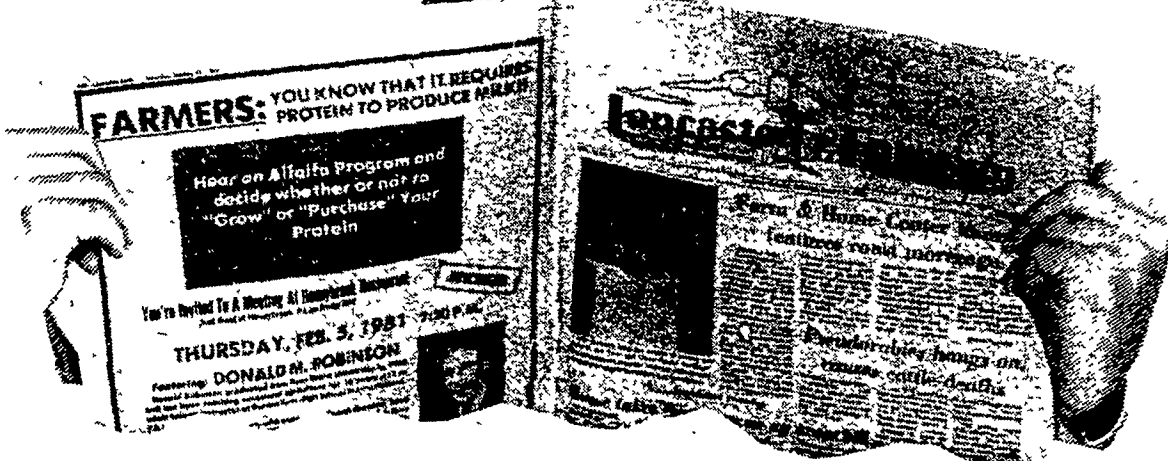
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Ida's Notebook

Ida Risser



A new year is beginning for all of us. For some it will be good and for others not so good.

But as they say, "Hope springs eternal in the human heart," and so we hope for good health to accomplish all the things that we didn't get done last year.

Sometimes it seems as though there are more unpleasant things happening than pleasant ones. I suppose we just remember them longer. All these little frustrations go to make up the pattern of our daily living and so we must accept them.

Recently I bought myself a sterling silver necklace with a

beautifully cut crystal from Austria. You guessed it — the first time that I wore it, it fell off on the driveway. A very tiny link had broken. Believe it or not, I was able to mend it with invisible thread after all other methods failed. I happened to have some remaining from stringing a broken strand of Job's Tears. These are hard and shiny gray seeds which when dried are strung as beads. They've been used, especially for children, since time began.

Another nasty little thing that happened this winter made me angry. I discovered that mice had eaten most of my bunches of

peanuts which I had hung from the basement rafters. They apparently jumped from a nearby box and had a feast.

Of course there are pleasant things to remember — like the surprise I got when my husband mentioned eating out after church. Although other folks might do this quite often, it was a real treat for me because it was the first time in over thirty years of marriage that we'd done this.

And when our son landed safely at the Harrisburg Airport on his return from snowstorm-ridden Chicago by way of Peoria and St. Louis without a mishap of any kind, it was a moment to relish. So we mix the good with the bad and try to make the best of whatever life deals us.

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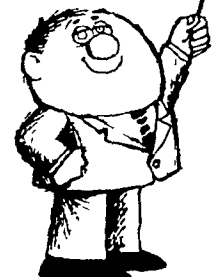
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Photos show some of 1981's agricultural headliners



January 1981, will be remembered as an epic time by the many people who have been involved in the founding, development and operation of the Lancaster Farm and Home Center. It was nearly a year ago that the mortgage on the Center was burned in commemorative ceremonies. Doing the honors with the candle is John Biechler.

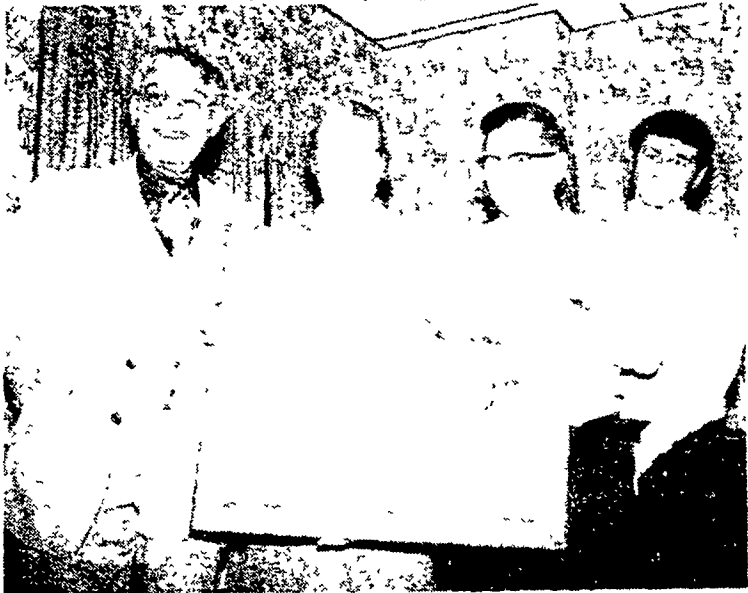


In early March, 1981, Ralph Dotterer, right, R2, Mill Hall, was honored as Cattleman of the Year during the annual Cattlemen's Banquet. Others taking part in the honors, from the left, are Sam Washburn, Fowler, Ind.,

president-elect of the National Cattlemen's Association; Galen E. Dreibelbis, State College, toastmaster and cattle breeder; and J. Paul Espy, R1, Tyrone; past president of the Cattlemen's Assn.



February may be a bleak, sometimes snowbound month, but you'd never know it when it comes time to crown a new Lancaster County Dairy Princess. In 1981, the honors were conferred on 17-year-old Deb Greider, who has since spent many hours during a busy schedule of helping to promote the dairy industry throughout the past year.



The Ray Charles family was honored last March as Lancaster County's Outstanding Conservation Cooperators. Presenting an aerial picture of the Charles farm is Technician Abner Houseknecht. Members of the family include Mr. and Mrs. Charles and James, at right.



The 28th Pennsylvania State Holstein Show last Spring brought a number of celebrities into the center ring. The grand champion banner and trophy went to All-American Northcroft Ella Elevation and the reserve grand champion honors to another aged cow

Parkacres Sun Ivy. From the left are George Knight, Ag Sec. Penrose Hallowell, George Knight III, Lowell Lindy at Ella's halter, Harvey Clem at Ivy's halter, Ed Doeberiner and Judge Keene.



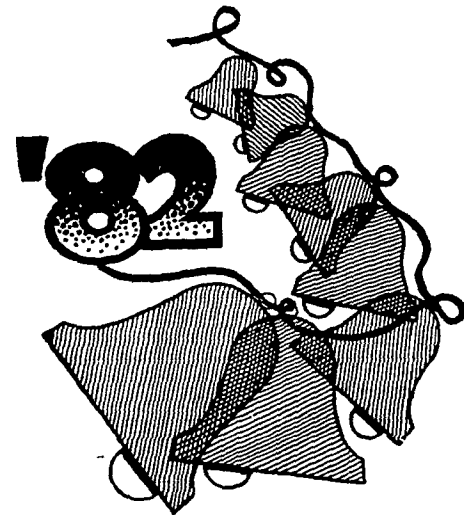
Max Smith, retired Lancaster County Extension director, received another honor at the annual Ag-Industry Century Farms Banquet in November. Flanking Smith, who was

presented with engraved plaque, are Penrose Hallowell, left, State Ag Secretary; and Gov. Dick Thornburgh.

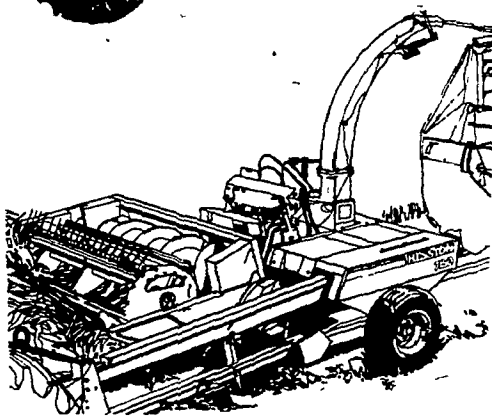
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Bird-In-Hand, PA 17505
717-656-9013

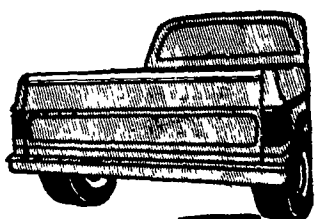
STOLTZFUS FARM SERVICE
Cochranville, PA 19330
215-593-2407

**HESSTON
FARM EQUIPMENT**

A DISTRIBUTOR OF
CENTRAL TRACTOR FARM & FAMILY CENTER



Winter Warmup Sale



1188

Reg. 14.97 / SAVE 3.09

Tailgate Guard

Protects the most frequently mangled part of a pickup truck with a strong anodized extruded aluminum alloy. Chrome-like finish will not rust or peel. Easy to install with directions and mounting screws included.

74-80 Chev/GMC	25174-314
74-80 Dodge	25175-314
74-79 Ford	25176-314
80-82 Ford	25196-314
81-82 Chev/GMC	25240-314
1982 Chev S10	25233-314
81-82 Chev Luv	25331-314
74-80 Chev Luv	25348-314
1982 Ford Ranger	25355-314
80-82 Ford Courier	25362-314
Dodge D-50	25370-314
79-82 Toyota	25387-314
80-82 Datsun	25394-314
80-82 Volkswagen	25407-314



69¢

2 For
Reg. 44¢ ea. / SAVE 21¢
Gas Line Anti-Freeze
Bottle fits new gas tanks 12 fluid ounces



99¢

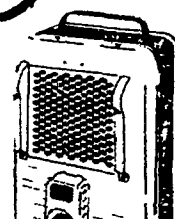
Reg. 1.39 / SAVE 16¢
Windshield Wash Anti-Freeze
1 gallon Protects to -25°

AS LOW AS
26.99

Exchange
6 volt 12 month warranty

Automotive Batteries

SAVE from 10% to 13%
C-22F 91/4x6 1/2x4 3/4 40 Amp Hr. 2 Yr. Battery 15762-252 **33.99** Exch.
XHD-24 10 1/2x6 1/2x4 3/4 53 Amp Hr. 3 Yr. Battery 15765-252 **38.99** Exch.
PR-22F 9 1/2x6 1/2x4 3/4 53 Amp Hr. 4 Yr. Battery 15741-252 **38.99** Exch.
SU 22F 9 1/2x6 1/2x4 3/4 70 Amp Hr. 5 Yr. Battery 15761-252 **44.99** Exch.
Savings on All Central Tractor Farm & Family Center Grand Auto & Tractor Batteries.

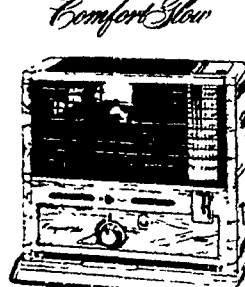


29.88

Reg. 31.99 / SAVE 2.11

Utility Heater

Dual range heat selection Automatic therm-o-dial thermostat Fan forced convection heat



179.99

Reg. 199.99 / SAVE 20.00

9,300 B.T.U. Deluxe Kerosene Heater

Get clean heat and nearly 100% fuel efficiency with this compact portable heater by radiation and convection. Features electronic push-button starting and convenient removable cartridge fuel tank. Patented catalytic deodorizer minimizes odor during operation and shut down. New improved two piece porous ceramic wick. Kerosene Heater same as above with fan less catalytic deodorizer. Reg. 219.99. **SAVE 188.99** 24194-260. **Save 30.00** LIMITED QUANTITIES



319

Reg. 3.99 / SAVE 20¢

Anchor-Eze Pickup Tie-Downs

Insert complete unit in stake pocket and tighten eye bolt until tight. Regular prices may vary locally.



99.99

Reg. 119.99 / SAVE 20.00

110 Gal. Fuel Tank

2 1/2"x4", 110 gallon capacity. Both models have 3/4" drain and 2" fill and vent openings. Prices do not include F.E.T.

84¢

Reg. 1.07 / SAVE 21¢

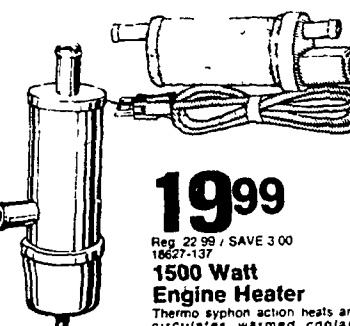
Champion Spark Plugs

For most makes and models of cars, trucks, tractors and many other engines.

99¢

Reg. 1.27 / SAVE 22¢

Resistor Plugs



19.99

Reg. 22.99 / SAVE 3.00

1500 Watt Engine Heater

Thermo syphon action heats and circulates warmed coolant throughout the entire engine even in coldest weather.



18.99

Reg. 20.99 / SAVE 2.00

850 Watt Thermo Pump Engine Heater

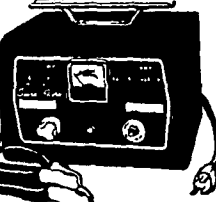
16631-137

19.99

Reg. 22.99 / SAVE 3.00

1000 Watt Thermo Pump Engine Heater

You don't have to drain your system to install this thermostatically controlled heater. All you need is a knife and a screwdriver.



94.99

Reg. 99.99 / SAVE 5.00

200 Amp Booster Charger

Solid state circuitry for dependability. High temperature copper wound transformer. Full wave silicon rectifiers and a heavy duty 18 gauge steel case. Comes with 6 foot grounded power cord and 6 foot output cables.



6.88

Reg. 7.97 / SAVE 1.09

5 Gal. Gas Can

Rugged steel can 11 1/2" diameter x 16". Not available in Massachusetts.

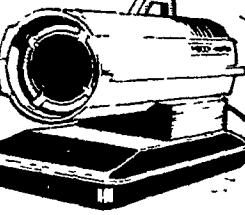


129.99

Reg. 189.99 / SAVE 60.00

Old Hickory Box Heater

This solid cast iron controlled combustion box heater is sculptured with beautiful farm scenes. Draft regulator controls amount of heat and efficiency of burning. Ideal heat source engineered to warm up fast and heat for hours with flat top for cooking surface. ICBO Listed. Not available in Massachusetts.

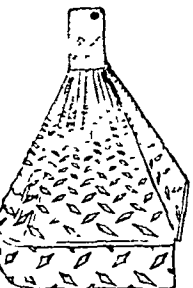


149.99

Reg. 169.99 / SAVE 20.00

30,000 BTU Space Heater

Completely portable. Burns kerosene or #1 fuel oil. Operates 8 to 10 hours on a 2.25 gal tank of fuel. Reliable solid state ignition and automatic flame out control.



74.99

Reg. 89.99 / SAVE 15.00

73.82 Chev & GMC 25157-314

79.99 Reg. 94.99 / SAVE 15.00

84.99 Reg. 99.99 / SAVE 15.00

84.99 Reg. 99.99 / SAVE 15.00

Alum. Tread Brite Running Boards

Protects your pickup's body from rock chips and mud splattering. Chrome like finish will not rust or peel. Mounting brackets and hardware included.

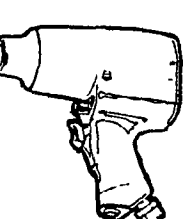


164.99

Reg. 173.99 / SAVE 9.00

Portable Transfer Pump

This is a powerful pump that eliminates the use of air compressors or 110 volt electricity as a power source. Motor and switch totally enclosed. Pumps up to 16 GPM on a 12 volt system and 10 GPM on a 6 volt system. Hose and nozzle not included. Wt. 20 lbs.



59.99

Reg. 69.99 / SAVE 10.00

1/2" Air Impact Wrench

Has up to 250 ft/lbs of torque. Trigger speed control air regulator. 1/2" capacity. Impact Sockets (set of 6) 18-77 11111-057. Reg. 19.99



SAVE up to \$500

Battery Chargers

Charges 6 and 12 volt batteries. Rugged steel case. Accurate numerical dial ammeter shows exact rate of charge.

6/2 Amp Reg. 24.99

10 Amp Reg. 24.99

10 Amp Automatic Reg. 44.99



1.24

Reg. 1.69 / SAVE 26¢

Go-Jo Hand Cleaner

This is the original Go-Jo solvent formula. It has been the preferred hand cleaner by most mechanics for over 25 years. It removes things like gasket cement, axle grease and paint quickly.



Towing Chain

5/8" x 14' **16.99**

3/4" x 14' **22.99**

1" x 14' **49.99**

5/8" x 14' HI Test **22.99**

3/4" x 14' HI Test **29.99**

1" x 14' HI Test **29.99**

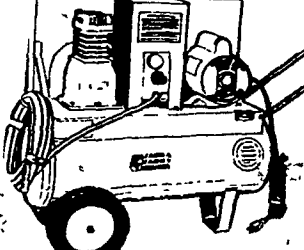


69.99

Reg. 79.99 / SAVE 10.00

Oil Burning Heater

Lights with a match. Equipped with damper device for quick, sure extinguishing and handles for easy moving. Tank capacity of 10 gallons.



199.95

Reg. 229.95 / SAVE 30.00

3/4 Horsepower Air Compressor

10 gallon tank. 4.4 CFM output. 2.5 CFM at 40 psi. Dual O-Matic control with easy to read gauge enables you to dial the pressure desired-no additional regulator needed. Not available in Massachusetts.

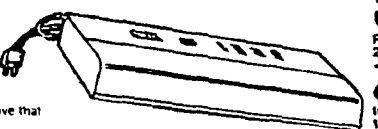


13.77

Reg. 1.49 pr / SAVE 4.11

Cotton Gloves

Rugged all cotton chore glove that gives long wear.



5.88

Reg. 7.49 / SAVE 1.61

18" Under Cabinet Light

Includes fluorescent tube and starter. Non-corroding high-impact plastic housing. 6 ft. cord, and convenience outlet.

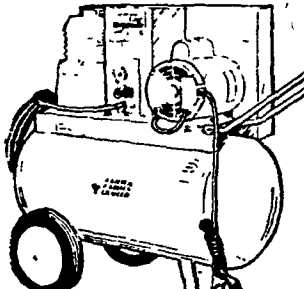


29.99

Reg. 39.99 / SAVE 10.00

Mercury Vapor Security Light

Light turns on automatically at dusk and off at dawn. Mercury vapor bulb gives 2 1/2 times the lighting capacity with 18,000 hours average bulb life.



339.95

Reg. 384.95 / SAVE 45.00

1 Horsepower Air Compressor

14 gallon tank. 8.4 CFM output. 8.0 CFM at 40 psi. Dual O-Matic control with easy to read gauge enables you to dial the pressure desired-no additional regulator needed. Not available in Massachusetts.



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CENTRAL TRACTOR FARM & FAMILY CENTER



SALE MONDAY, JANUARY 4 THRU SATURDAY, JANUARY 16
MANY OTHER ITEMS ALSO ON SALE!

Hours: Mon. thru Fri. 8 AM to 7 PM; Sat. 8 AM to 4 PM

WEAVER'S HARDWARE CO.

R.D. 4125 FLEETWOOD, PA. 19522
(on main road from Fleetwood to Topton)

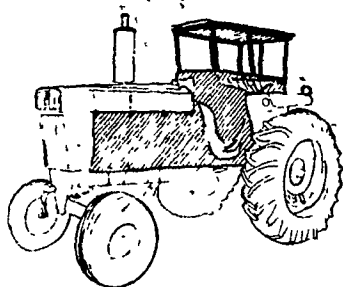
215-944-7486
or 944-9648



Winter Warmup Sale

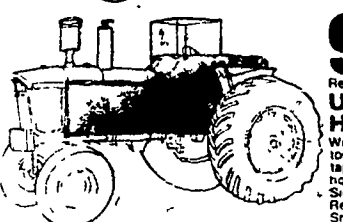


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CENTRAL TRACTOR FARM & FAMILY CENTER



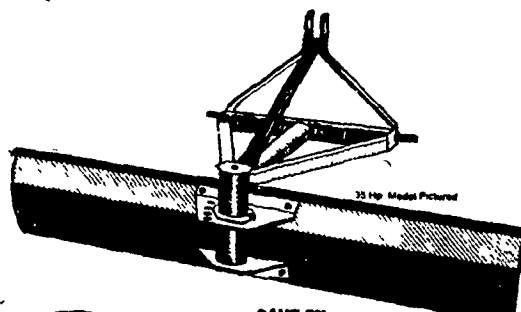
449⁹⁹

Reg. 479.99 / SAVE 30.00
24500-214
Clear-Vue Cab
The streamlined sturdy metal and fiberglass upper cab features "tinted tempered glass" all around the operator giving an unobstructed view. Can be used independently by removing the lower vinyl section. The lower cab is made of heavy duty vinyl designed to fit every angle and bend of your tractor. Fits all tractors with fenders. **SUBJECT TO STOCK ON HAND**



97⁹⁹

Reg. 102.99 / SAVE 5.00
Universal Heater Cab
Will fit most popular models of tractors. Extra side adjustments cut tapered to fit contour of tractor hood.
Side entry 11155-235
Rear entry 11162-235
Small models 11169-235



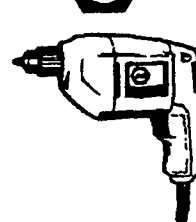
SAVE 2⁹⁹
Floating Stock Tank De-Icer

Completely sealed terminal immersion element heats water directly. Alloy construction. Portable, just plug in the 1/2" power cord. Automatic thermostat control.
1,000 watts 2197
1,500 watts 2497

SAVE up to 20⁰⁰
Three Point Tractor Blades

6"20 Hp Rating 149⁹⁹
6"35 Hp Rating 199⁹⁹
7"35 Hp Rating 229⁹⁹

B-D Black & Decker



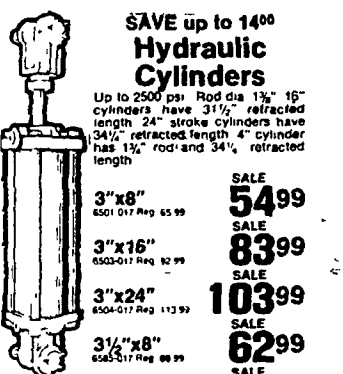
1444

Reg. 15.97 / SAVE 1.53
11100-057
Black & Decker 1/4" Drill
Model 7004. Unbreakable housing. Double insulation and recessed center locking button. Can be used with sanders, buffers and grinders.



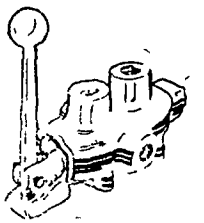
1597

Reg. 17.88 / SAVE 1.91
11107-097
Black & Decker Jig Saw
Model # 7504. Makes straight, curved or scroll cuts in wood, metal, plastics and other materials. Double insulated, burnout protected motor.



SAVE up to 14⁰⁰
Hydraulic Cylinders

Up to 2500 psi. Rod dia. 1 1/2", 1 3/4", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 6 1/2", 8", 10", 12", 14", 16", 18", 20", 22", 24", 26", 28", 30", 32", 34", 36", 38", 40", 42", 44", 46", 48", 50", 52", 54", 56", 58", 60", 62", 64", 66", 68", 70", 72", 74", 76", 78", 80", 82", 84", 86", 88", 90", 92", 94", 96", 98", 100".
3"x8" 54⁹⁹
3"x16" 83⁹⁹
3"x24" 103⁹⁹
3 1/2"x8" 62⁹⁹
3 1/2"x16" 94⁹⁹
3 1/2"x24" 113⁹⁹
4"x24" 142⁹⁹



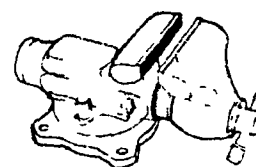
429

Reg. 4.59 / SAVE 5%
9505-055
Hanging Brooder Lamp
Reflector porcelain socket and wire bulb guard. UL approved.
Clear Bulb 11432-133 SALE 1.58
Infra Red Bulb 11433-133 SALE 3.77



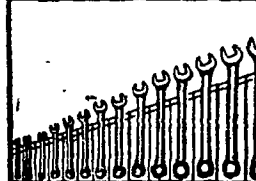
1747

Reg. 20.88 / SAVE 3.41
27800-285
50 Lbs. Milk Replacer
Higher quality than many milk replacers on the market. Compare for yourself and see the difference the quality can make in your animals.



1188

Reg. 14.88 / SAVE 3.00
17667-112
4" Homeowners Vise
Ideal for the performance of smaller jobs in your shop or around the home. Its rugged construction and design offers large vice performance. Jaw opening 4". Model #V440.



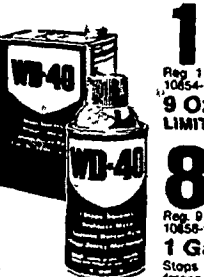
2988

Reg. 34.03 / SAVE 5.00
13447-022
14 Piece Wrench Set
Combination box and open end in its own roll-up pouch. Sizes 1/2" to 1 1/2".



429

Reg. 4.87 / SAVE 13%
27502-085
Golden Choice Dog Food
25 lb. bag of Golden Choice is a complete food supplying all the nutrients necessary to keep your dog in healthy, alert condition.



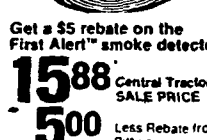
129

Reg. 1.79 / SAVE 27%
10654-090
9 Oz. WD-40
LIMIT 6 PER CUSTOMER
877
Reg. 9.77 / SAVE 1.00
10658-090
1 Gal. WD-40
Stops squeaks and quickly frees frozen or rusted parts. Prevents rust and corrosion.



95¢

Starting Fluid
18261-234
Gives smooth starts in all kinds of weather. Starts engines with low batteries. Also for use in diesel engines. 14.6 oz. can.
Starting Fluid
18262-234
First John Deere and International Harvester diesel injector receptacles and can be used on hard to start gasoline engines. 11 oz. can.



1588

Reg. 17.88 / SAVE 2.00
13485-022
First Alert Smoke Detector
Central Tractor's SALE PRICE
500 Less Rebate from Pitway
1088
Your Final Net Cost
First Alert Smoke & Fire Alarm, Model SA76HS. Pick up your \$5 rebate coupon at Central Tractor Farm & Family Center and mail it to manufacturer for rebate. See coupon for complete details.
Reg. price 17.88 51131-323



277

Reg. 3.47 / SAVE 20%
13485-022
6" Adjustable Wrench
Drop forged chrome vanadium steel. Fully polished and nickel chrome plated.
8" 13486-022 SALE 3.47
10" 13487-022 SALE 4.87
12" 13488-022 SALE 6.57
Reg. 6.29 13489-022 SALE 8.57



Heat Tapes

Electric-UL approved components develops 5 watts per foot. Automatic heat tapes with light and thermostat preset at 38°F.
6" Automatic 629
26558-201 Reg. 6.98 SALE
12" Automatic 719
26559-201 Reg. 7.98 SALE
18" Automatic 797
26560-201 Reg. 8.98 SALE
24" Automatic 899
26561-201 Reg. 9.98 SALE



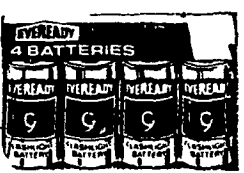
2497

Reg. 32.97 / SAVE 8.00
20002-149
Chopper 1" Log-Splitting Axe
Slicing is virtually impossible. Takes the hard work out of log splitting. Does the job faster and easier than ever before. Wood handle. Fiberglass handle. 20010-149
Reg. 37.97 SALE 29.97



2588

Reg. 28.88 / SAVE 3.00
75241-353
Lift'n Cut Log Jack
A log jack that will save you money when you cut firewood. It holds logs off the ground so chain saws won't run in dirt or stones and run the cutting chain. And when the log is lifted it's held firmly securely. Saw bars are less likely to get jammed in cut.



86¢

Reg. 1.15 / SAVE 25%
17515-108 17516-108
Batteries
Four pack of C or D cell batteries.



EVEREADY ENERGIZER Alkaline Batteries

These batteries provide longer, more dependable service than standard types.
2 BULBS FOR 79¢
Reg. 1.19 pkg. of 2 / SAVE 33%
Sylvania Light Bulbs
60 Watt 11392-116
75 Watt 11412-116
100 Watt 11437-116



199

Reg. 2.49 / SAVE 20%
20252-158
Propane Cylinder
14.1 oz. (Net Wt.) Propane cylinder. For cooking, heating, lighting plus many other uses.

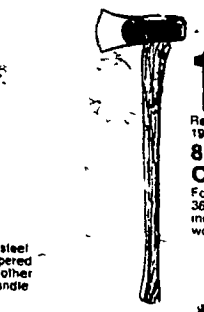


649
Reg. 8.49 / SAVE 2.00
95600-068
Hi-Top Work Rubbers
First broad work shoes. No lining - may be easily turned inside out for cleaning. Mens S-M-L-XL.



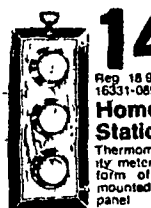
1399

Reg. 18.49 / SAVE 4.50
19955-149
Single Bit Axe
1697
Reg. 20.77 / SAVE 3.80
19956-149
Double Bit Axe
Forged from high quality tool steel, specially hardened and tempered to stay sharp longer than any other axes. Flame treated hickory handle.



1699

Reg. 18.99 / SAVE 2.00
19975-149
8 Lb. Wood Chopper's Maul
Forged high carbon steel head on 36" arc eye hardwood handle. An indispensable tool for the serious wood chopper.



1469

Reg. 18.97 / SAVE 4.28
16331-089
Home Weather Station
Thermometer, barometer & humidity meter styled in the traditional form of a ship's instruments mounted on wood grained wall panel.



549

Reg. 7.19 / SAVE 1.70
19973-149
4# Splitting Wedge
Forged from high carbon heat treated steel. 4 lbs. 6" long.



629

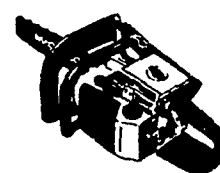
Reg. 8.29 / SAVE 2.00
19974-149
5# Splitting Wedge

WINTER CLEARANCE
SAVE 9% - 21%
WOOD CUTTING - SPLITTING - CHAIN SAWS
QUANTITIES LIMITED TO STOCK ON HAND



SIMILAR SAVINGS ON ALL CHAIN SAWS IN STOCK

Homelite XL® 10 Chain Saw
Reg. 89.90 / SAVE 17.02
27918-088
8297



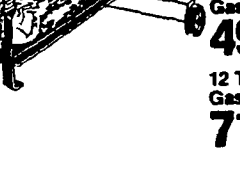
McCulloch MAC 120
Reg. 129.99 / SAVE 20.02
27873-088
10997

McCulloch PRO MAC 610 - 20
Reg. 300.99 / SAVE 60.02
27947-088
24999



3 Point Hitch Log Splitter

Reg. 199.99 / SAVE 20.00
12997-279
17999



9 Ton Gas Engine Log Splitter

Reg. 509.99 / SAVE 100.00
12965-279
49999

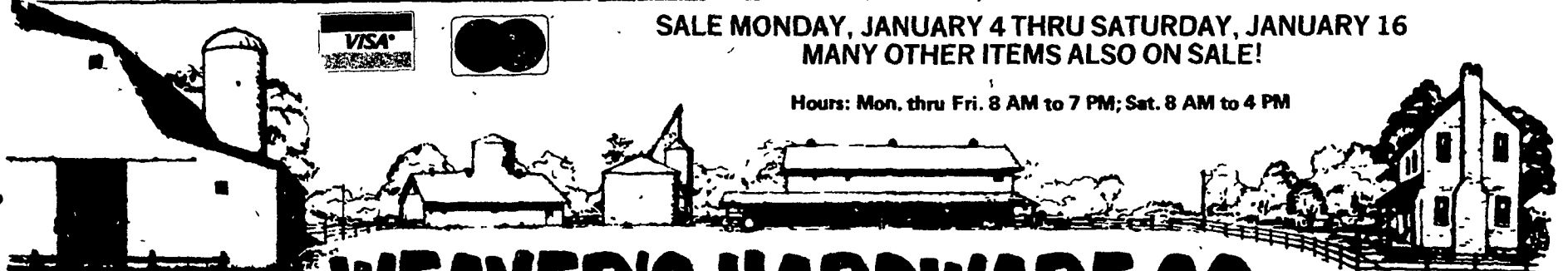


12 Ton Gas Engine Log Splitter

Reg. 799.99 / SAVE 80.00
12972-279
71999

SALE MONDAY, JANUARY 4 THRU SATURDAY, JANUARY 16
MANY OTHER ITEMS ALSO ON SALE!

Hours: Mon. thru Fri. 8 AM to 7 PM; Sat. 8 AM to 4 PM



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WEAVER'S HARDWARE CO.

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(on main road from Fleetwood to Topton)

215-944-7486
or 944-9648

In farming's headlines during '81



This \$6,000 Suffolk ram lamb was purchased last July by Richard Eberts, Newville, left, at the 33rd Keystone Stud Ram and Ewe Sale at the Farm Show Complex. Ram was purchased from Alan Culham, Dansville, Mich.



Another significant step in the continuing efforts to preserve farmland was taken at mid-year when farm leaders gathered from throughout the state to witness the signing of legislation giving local governments the authority to create agricultural areas. Seated to the left of Gov. Dick Thornburgh is Rep. Noah Wenger, of Lancaster County, sponsor of the bill.

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with the INFLATION FIGHTERS

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40% less than conventional steel buildings!

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and **TRUST COMPANY**

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A FULL SERVICE BANK

Whitewashing with
Voco Farm White
AIR CLEANING
Richard R. Forry & Sons
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Lancaster, PA

SMUCKER'S SALES SERVICE, INC.
RD #2, BOX 21
NEW HOLLAND, PA 17557

SALES & SERVICE
FOR:
**LISTER, PERKINS
& DEUTZ DIESELS**

2 Cyl F2L-912

We Have SR2 12 h.p. Lister Diesels, as is or rebuilt.

- Good used diesel engines
- New Sputnik wheels and parts

We mount diesels on balers, crimpers, cornpickers, etc.

Bulk Tanks, with something
in common . . .
PERFORMANCE!

AMBASSADOR
500 To 6000 Gal

OR

D-4 DIPLOMAT
200 To 1000 Gal. Sizes

GIRTON
We do the complete
installations.
12 volts D.C. or 115-
230 volts AC

- FULLY-FLOODED GIRTON COLD PLATE
- STAINLESS STEEL CONSTRUCTION
- CAN USE R-12 OR R-22 REFRIGERANT
- URETHANE (FOAMED IN PLACE) INSULATION

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CALL 717-354-4374**

THE STRENGTH IS IN THE CONSTRUCTION

- Poured Solid Concrete Steel Reinforced Walls.
- The Wall is Only as Good as the Material Used.
 - Manure Pit Walls
 - Hog House Walls
 - Chicken House Walls
 - Concrete Decks
 - House Foundation Walls
 - Cistern Walls
 - Barnyard Walls
 - Concrete Pit Tops
 - Silage Pit Walls
 - Retaining Walls

All sizes available
Round or rectangular

Take the questions out of your new construction
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Do you remember these '81 news makers?



The new year means a new Farm Show and the Commonwealth farm extravaganza always means some lucky, hardworking youth and a grand champion steer move into the agricultural spotlight. In 1981, the television lights and camera flashbulbs were shared by

seventeen-year-old Blain Clowsner, of Dayton, Armstrong County, and his grand champion steer Monkey Lip. State Sec. of Agriculture Penrose Hallowell confers the honors on the Armstrong County youth.



Mial Hillhouse, professional part-time clown, salutes the many 4-H'ers and clubs he introduced to the new clowning project this past year.

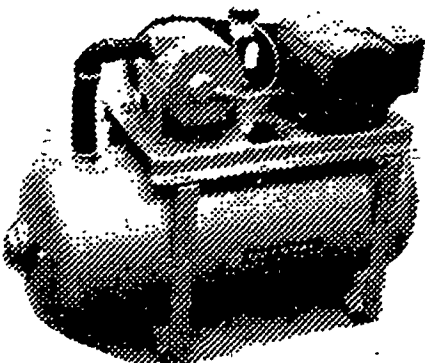
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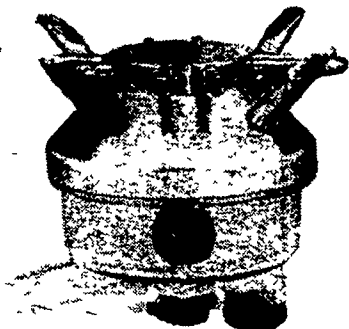
PARLOR SYSTEMS



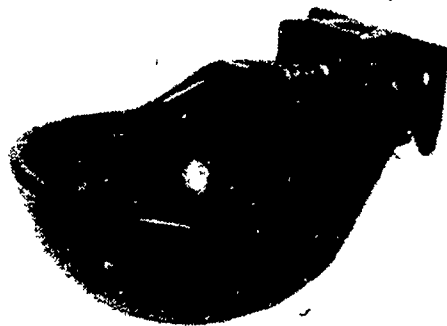
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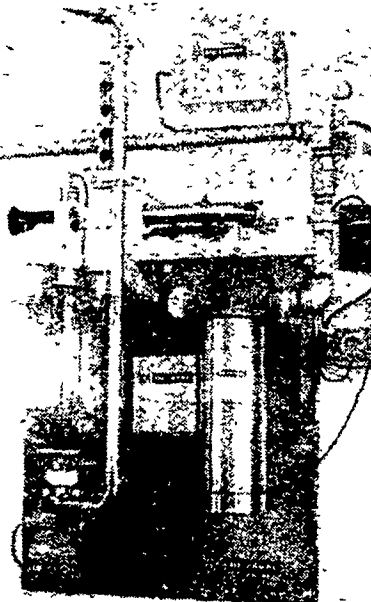
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Farmers can control erosion

LEESPORT — Soil erosion is the work of uncontrolled water running downhill, says Tina Didyoung, soil conservation technician of the Soil Conservation Service.

As surface water moves downhill, increasing in velocity and erosive force, it also carries with it soil and fertilizers. This process is so subtle that farmers sometimes do not realize it until they notice a gully in the field.

Farmers have no control over the intensity or amount of rainfall that is received, concedes Didyoung. But they do have control over decreasing soil erosion and protecting their crops by applying conservation measures, she says.

Conservation practices that can be used to control surface water are diversions, waterways, contour stripcropping, terraces and mulch tillage practices.

By selecting a suitable use for the type of soil on the farm and applying a combination of conservation practices the loss of soil can be held to a limit that can be tolerated.

For more information on reducing soil erosion contact a local U.S. Soil Conservation Service office.



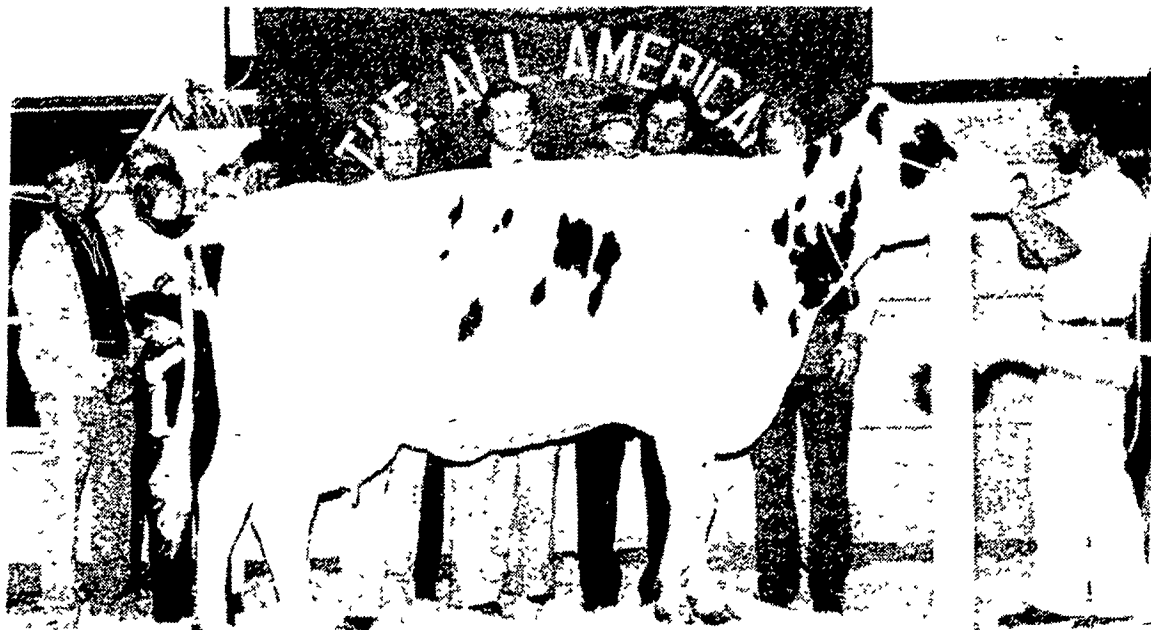
Ag events that made history



In June, Bob Livingston, of Dover, York County, son of Mr. and Mrs. George Livingston, received his first-place judging contest award from State 4-H Leader Carroll Howes at Penn State's Junior Livestock Field Day.



Recipients of farm safety honors last March were, from the left, William A. Reagan, Shirley Garner and Bob and Ken Messick, of Messick Farm Equipment, Inc.



Top-selling animal at the Pennsylvania All-American Holstein Sale in Harrisburg in September was Elkson Glendell Pioneer, who went for \$65,000 to D.W. Spoonaugle, of

Lancaster. The Glendell daughter was sold with her two-week-old heifer, a C Tamlane Rockman Senator daughter.



Inter-State's top five Young Cooperators were honored last July in a program at the Hunt Valley Inn, Maryland. Couples, from the left, include Dale and Joyce Peifer, Lancaster County; Kenneth and Rebecca Schoenberg,

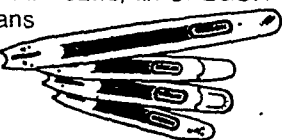
Franklin County; Young Cooperators 1981, Jere and Jan Skiles, Lancaster County; Moses and Sylvia Beiler, Lancaster County; and Jacqueline Leer, Adams County.

GO WITH A PRO.

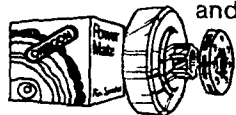
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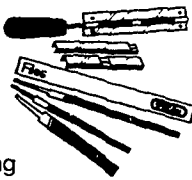
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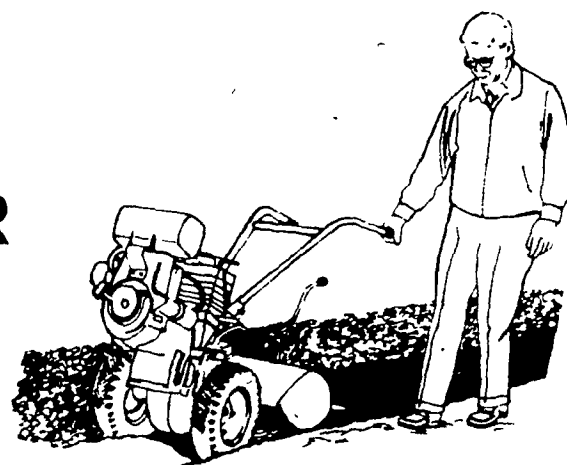
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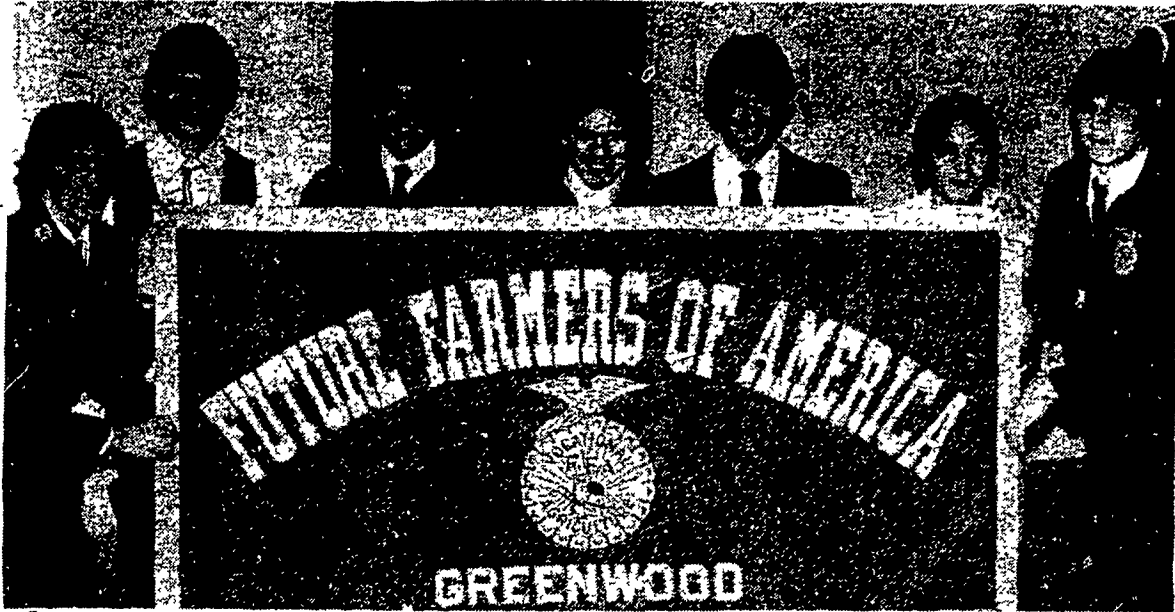
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In 1981's farm spotlight

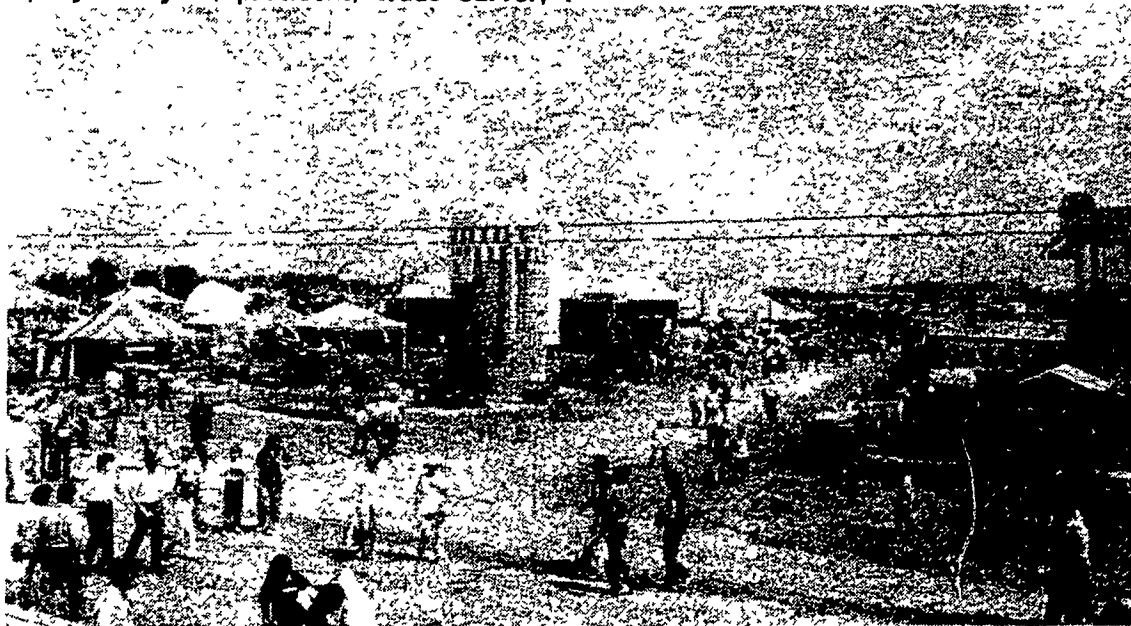


State's newest chapter was welcomed into Pennsylvania's FFA family last month at Greenwood High School, Millerstown. Officers of the Perry County chapter include, from the left, Myron Byers, president; Wade Sarver,

secretary; David Bratton, treasurer; Raymond McGowen, reporter; Tom Gothel, sentinel; James Lower, chaplain; and Mike Sarver, vice president.



The price of top Holsteins showed no signs of abating early last year. In the 1981 chapter of the annual Great Expectations Sale at the Guernsey Pavilion in Lancaster, Mil-R-Mor Roxy Velvet sold for \$150,000. Destined for some embryo transplant duties, Velvet went to a syndicate from the country of Colombia.



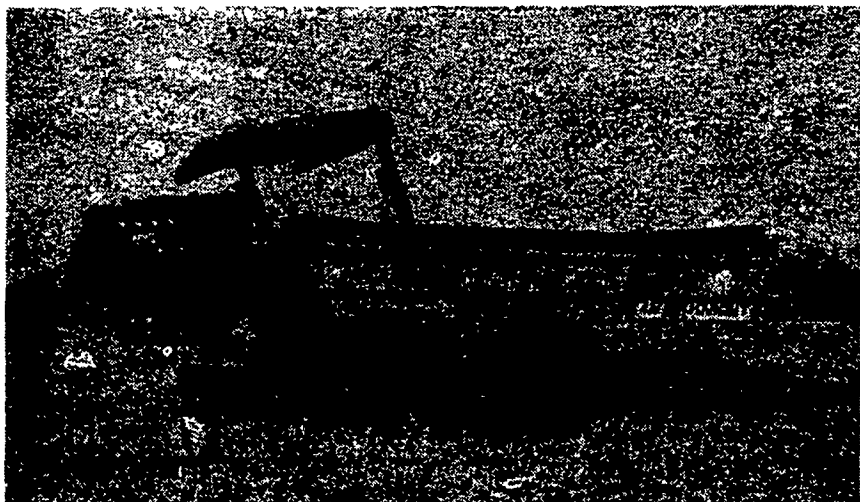
More than 70,000 people attended the 1981 version of Penn State's Ag Progress Days last August. Once again, the program featured the

latest in ag equipment developments, along with various demonstrations.



DHIA supervisors in Lancaster County who were honored by the Red Rose DHIA last month included, from the left, J. Wilbur Houser, Lampeter; Harold Lindecamp, Peach Bottom; and Lee Landis, Narvon.

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Past year features many ag honors throughout state



Last September, Charlene Rohrer, of Chester County, was crowned the state's 1981-82 Pennsylvania Dairy Princess.



Highlight of dairy competition at the 1981 State Farm Show was the awarding of breed grand champion honors by Ginny Thornburgh, the state's First Lady. Here, she awards

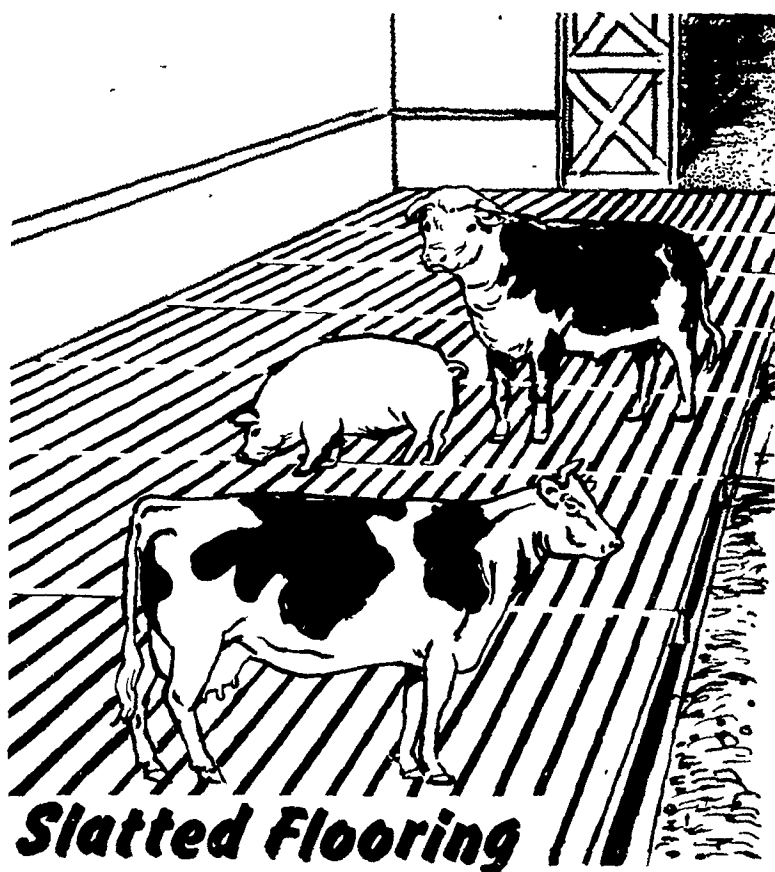
plaque to Sam Yoder. Looking on at right are Ag Secretary Penrose Hallowell and Dairy Princess Cindy Neely.



Overall champion and reserve champions were crowned at the annual Penn State Dairy Expo last May. Champion was Matt Seipt, of Lansdale, third from left, and reserve honors

went to Alan Wright, of Little Marsh. They are flanked by show judges David Norman, of Liberty, and Ginger Secrist Myers, of Littlestown.

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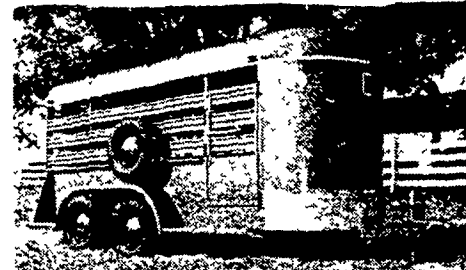
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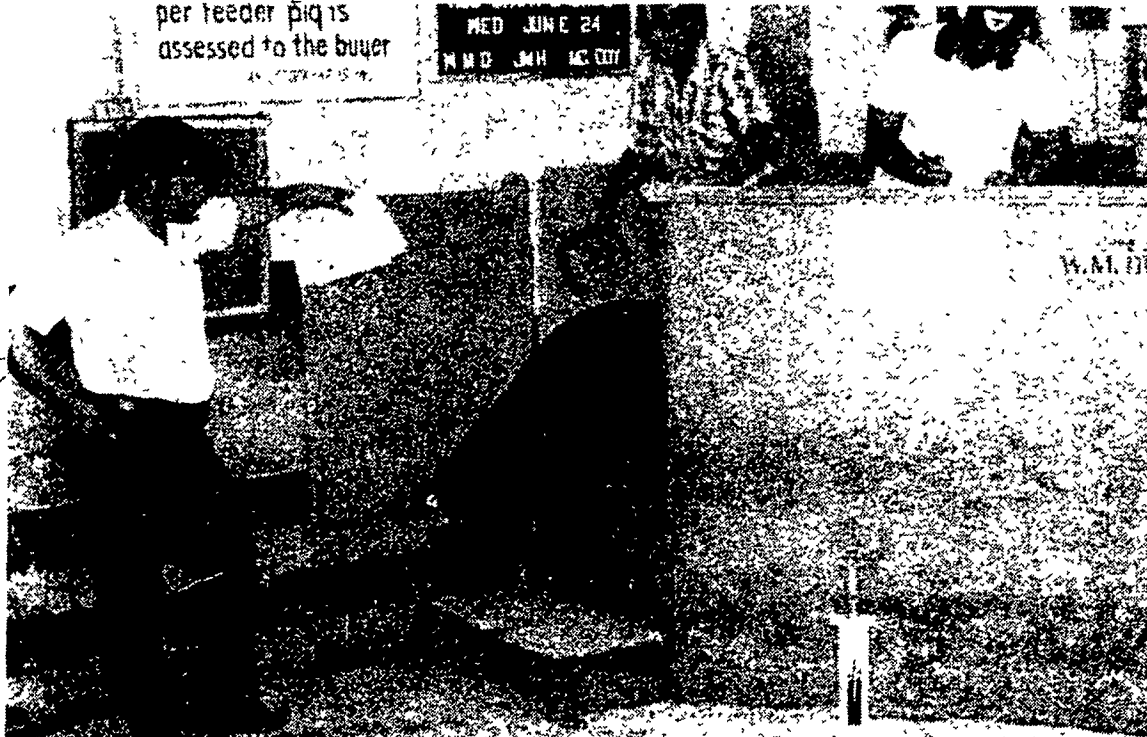
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Our ag year passes in review



Four-H isn't all work and no play as shown by these 4-H'ers during an early 1981 banquet. Cattle shows, round-ups, blue forms, per leader pigs assessed to the buyer



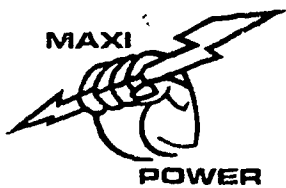
A little comic relief was added to the customary stern bidding for Lancaster County's top FFA market hog when Chris Herr's Duroc jumped up into the auctioneer's

therapeutic riding, leader puppies - they all add a little fun into the life of a 4-H'er.

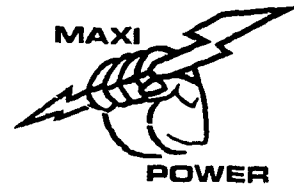
booth at annual show and sale last August. Here, Chris shoos champion back out into the ring so the bidding can begin.



As part of poultry industry promotion, state officials cooked up a giant omelet on the steps of the Capitol Building last May. Here, head chef Thornburgh offers first helping to Eggatha, mascot of the state's egg promotion program.



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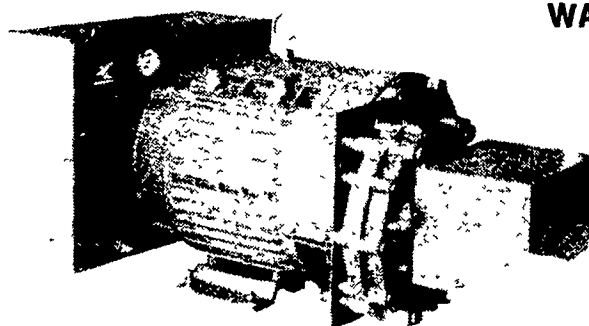
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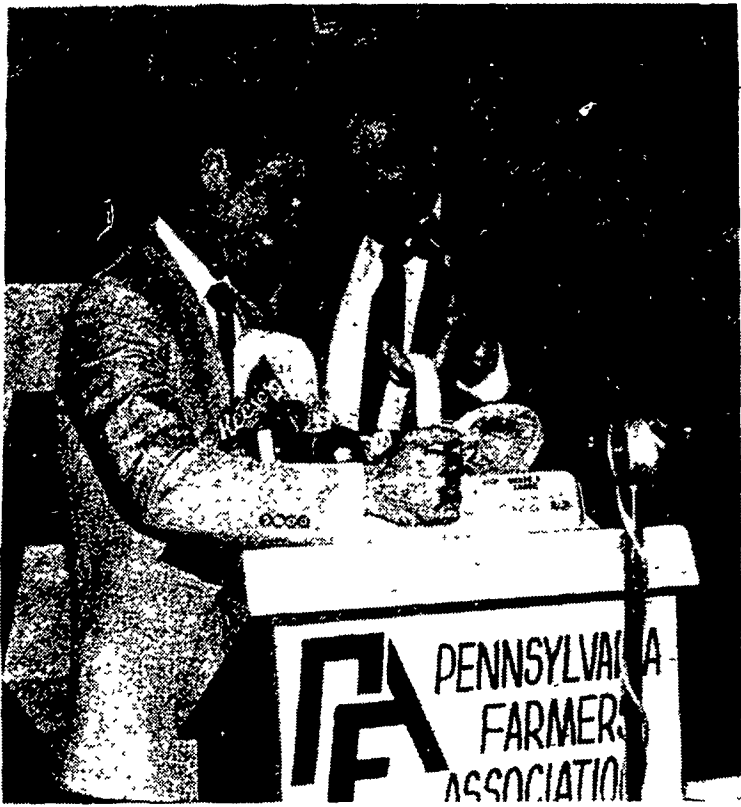
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It's been an eventful year in farming



Armful of Pennsylvania food products is presented to U.S. Sec. of Agriculture John R. Block by his Commonwealth counterpart Penrose Hallowell. Block came to the state in April to address supporters of the political action committee, FARMER.



Industymen of the Year were honored at the annual Pennsylvania Poultry Federation's Fund Raising Banquet in April. From the left are John Hoffman, master of ceremonies and executive director of the Pennsylvania Poultry

Federation; wife, Ruth; Vernon Leininger, Egg Industryman; wife, Allegra; Earl Gingrich, Broiler Industryman, sister, Anna; Paul Konhaus, Turkey Industryman, and wife, Margaret.



There is no generation gap when 4-H steps in. Here, Linda Sue Huber, future 4-H'er, shows senior citizen Eva Hoover a pet care

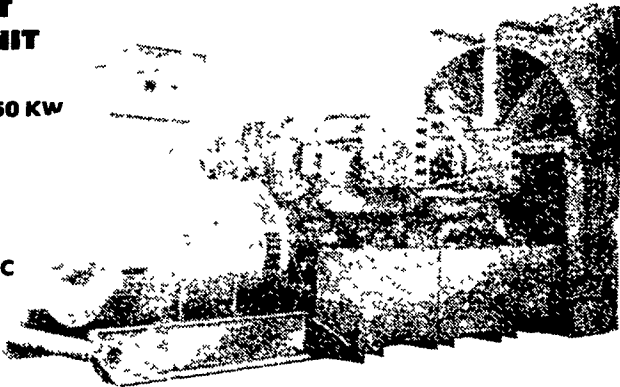
project at one of the many 4-H Awareness programs sponsored throughout the state last year. This one was in New Holland in February.

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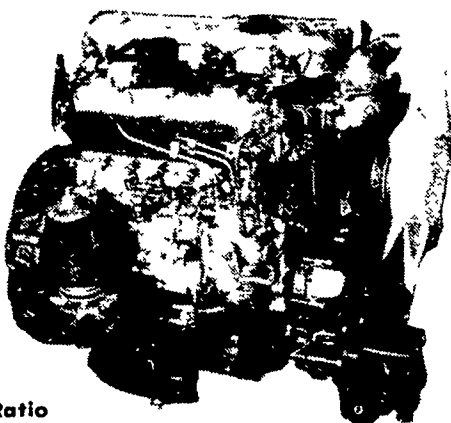
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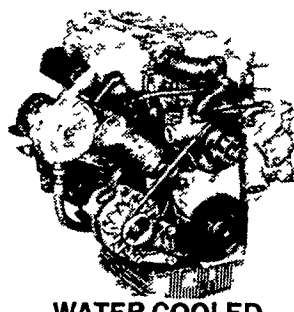
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"Barn raising" is Rose Parade float theme

SHERMAN OAKS, Calif. — Ingenuity, hard work and cooperation — traits American farmers have inherited from their pioneer forefathers — were dramatically portrayed on the Rose Parade float sponsored by Sunkist Growers, Inc.

The "Barn Raising" theme is very much in keeping with the theme of the 1982 Tournament of Roses, "Friends and Neighbors."

Jack J. Heeger, vice president of public affairs for the citrus marketing cooperative, says "Barn Raising" was one of the most exciting entries in the 60-float parade because designer Don Davidson "came up with something very clever and dramatic, something no one else had."

Heeger explains that during the course of the parade as the float passed reviewing stands and TV cameras, riders pulled ropes and actually hoisted rafters into place, 24 feet high, while other workmen

prepared additional timbers on the floor below.

Members of the Pasadena City College gymnastics team were recruited to portray the 12 workmen, dressed as farmers at the turn-of-the-century.

Two other float riders represented the 6,000 California and Arizona citrus growers who comprise the Sunkist membership. Appearing as young farm wives preparing snacks for the hungry crew were Miss Arizona, Sarah Tattersall, and Miss California, Cheryl VanCleave.

At the back of the float, a sign "painter" put the finishing touches on a flowered reproduction of an authentic citrus crate label.

The design concept developed by Davidson's firm, The Design Collaborative, was executed by the builder, Floatmasters, using all-California-grown flowers and plants.

The barn floor was created with petals from 10,000 Mustang, Sonia

and Woburn Abbey roses. Bright yellow chrysanthemums were used on the barn face, and white carnations and gladiolus petals formed the trim. The beams and siding covered with brown mums, dried sycamore leaves and corn husks.

This was the 16th consecutive year Sunkist has had a float in the New York's Day pageant, which is seen by more than a million people along the parade route and by an estimated 125 million television viewers.

Heeger says his organization is "especially proud" of this particular float because its theme honors the men and women of the nation's agricultural communities.

"Sunkist is a farmers' cooperative, so we felt it would be most fitting for us to pay tribute to the pioneers who showed the cooperative spirit by pitching in to help each other," he said.

"Agriculture today is far different from farming the way those

pioneers knew it, but cooperation is just as important now as it was then," Heeger states. "Farmers still recognize that in many areas of their business, they can accomplish more and do a better job by working together in co-ops."

Currently, there are more than 6,400 farmer-owned cooperatives in the U.S. with a combined membership of about 5.7 million. But the cooperative way of doing business extends far beyond

agriculture. It's estimated that well over 70 million Americans belong to one form of cooperative or another. There are approximately 21,000 credit unions with a membership totaling nearly 47 million. There are co-ops in housing, food, health, rural electric and telephone service, insurance, legal services, and many other consumer goods and services.



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Cowanessque Valley Livestock Market Box 212, R.D. #1, Route 49, Knoxville, Pa. 16928	(Tues.)	New Holland Sales Stables, Inc. (Mon., Wed., Thurs.) 101 W. Fulton St., Box 96, R3, New Holland, Pa. 17557	
Danville Cattle Company, Inc. Box 39, R4 (Old Route 11) Danville, Pa. 17821	(Mon.)	New Wilmington Livestock Auction Inc. (Feeder Pigs, Mon. 4th. Fri.) Box 412, R3, New Wilmington, Pa. 16142	
Dewart Livestock Market Box 95, Dewart, Pa. 17730	(Mon.)	Penns Valley Livestock Auction, Inc. (Tues.) Centre Hall, Pa. 16828 (Mailing Address, Box 36, Kylertown, Pa. 16847)	
Four States Livestock Market 912 View St., Box 108, Hagerstown, Maryland 21740	(Tues.)	Pennsylvania Livestock Auction, Inc. (Thurs.) Box 432, R4, Waynesburg, Pa. 15370	
G & M Livestock Exchange R2, Box 236, Duncansville, Pa. 16635	(Mon.)	Quakertown Livestock Sale 201 Station Road, Quakertown, Pa. 18951	(Wed.)
Greencastle Livestock Market, Inc. Box 86, Greencastle, Pa. 17225	(Mon.)	Troy Sales Cooperative Box 312, Troy, Pa. 16947	(Wed.)
Green Dragon Livestock Sales R.D. #4, Ephrata, Pa. 17582	(Fri.)	Valley Stockyard, Inc. (Mon.) Box 231, Athens, Pa. 18810	
Keister's Middleburg Auction Sales, Inc. Box 185, R3, Middleburg, Pa. 17842	(Tues.)	Vintage Sales Stables, Inc. (Tues., Wed., Sat.) Box 100, R2, Paradise, Pa. 17562	
Lancaster Stockyards, Inc. Box 713, 1147 Lititz Pike, Lancaster, Pa. 17601	(Daily)	Wyalusing Livestock Market Wyalusing, Pa. 18853	(Mon.)
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Cleaning and care promote fireplace safety

LANCASTER — If you control three factors — wood, air, and temperature — a fireplace or wood stove can operate safely, but without attention they can elevate the risk of disaster.

Depending on the condition and type of wood used and how it burns, creosote, a gummy substance which condenses from unburned gasses in wood, may be deposited on stovepipe surfaces and inside the fireplace and chimney flue. Creosote buildup can be reduced with good burning techniques and careful selection of wood.

John Gird, Extension agricultural engineer at the University of Maryland, says to use dry or seasoned wood that has been cured from 8 to 12 months and to buy from a reputable dealer because good wood is hard to recognize. Other wood may be green and very moist.

Green wood may give off a lot of smoke and burn only partially because of its high moisture content and may not provide as much heat as desired. A high smoke density with a low flue temperature causes creosote to condense.

Creosote is not a major concern with fireplaces because they consume huge amounts of air, but creosote often becomes a problem with stove systems when they are overloaded with too much wood, says Gird. Even when two or three logs are added to a fire in a stove, the temperature may not get hot enough to burn gasses that cause creosote deposits. If the air inlets are not opened enough, the wood will just smolder and not burn efficiently.

The stove should be refueled frequently with small amounts of wood, says Gird. The temperature can be regulated by burning less wood and controlling the amount of air entering the system.

"When you reload, open the air vents for 20-25 minutes—this is usually enough time to let the gasses burn away," Gird says.

To know whether or not the wood is burning correctly, go outside and check how much smoke is coming out of the chimney; if there is a lot, open the vents more.

A homeowner who is going to have a hot fire to eliminate creosote should have a thermometer to monitor the temperature, says Gird. Most wood

stove dealers have literature on safe use and sell such thermometers.

Keep track of the fire temperature by buying a high temperature thermometer which attaches to the stovepipe. Smoke condenses to creosote at temperature below 250°-300°F, so try to keep the fire hotter than that.

A hot flue can melt creosote and reduce its danger of igniting and causing a chimney fire, but the temperature must be carefully controlled. Too much heat itself may crack fire brick and cause the lining of a chimney to catch on fire.

According to Gird, an expensive but convenient way to obtain heat in the fireplace is to burn artificial chemical logs. "They are very popular because very little residue or ash is left behind," says Gird, many people find them convenient for occasional fires on special holidays.

Using artificial logs can produce a quick, easy fire, but make sure you follow manufacturer's directions and labels.

Because some contain special kinds of paraffin waxes, the logs can be difficult to extinguish. They should not be poked because burning wax may drip off. The main complaint with artificial logs is that the wax sticks to the poker and is brought back, flaming, into the living room, says Gird.

Gird recommends that you not burn more than two or three of these logs at a time because of the high amount of heat they produce. Usually, directions say to burn only one at a time.

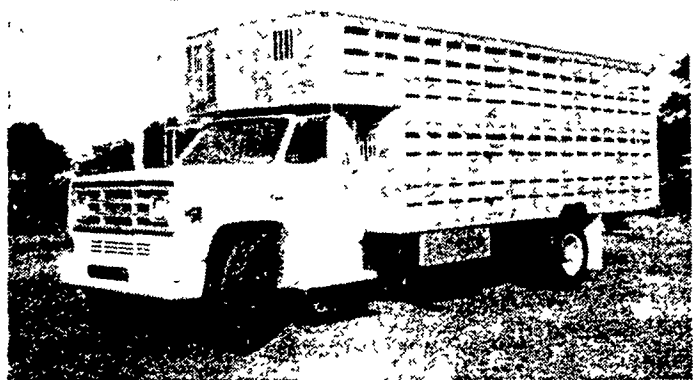
They are designed to burn separately and should not be added to an existing fire because too much heat will be created. "When the heat gets so intense, the fireplace becomes an incinerator and may cause fire brick to crack," warns Gird.

Large amounts of newspaper and wrapping paper thrown into a fire may also create intense heat that can damage a fireplace system and send burning embers up the flue and outside. Paper also adds quickly to the amount of deposit on the flue when pieces of ash stick to the walls.

To be kept safe, fireplaces that are used infrequently may be cleaned only once a year. The whole system should be cleaned professionally.

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550	4'0"	6'0"	10	549	210.00
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1,000	4'0"	10'8"	10	827	310.00
1,000	4'0"	10'8"	7	1,129	351.00
1,000	5'4"	6'0"	7	1,028	326.00
1,500	5'4"	9'0"	7	1,388	438.00
2,000	5'4"	12'0"	7	1,735	534.00
3,000	5'4"	17'11"	7	2,432	720.00
4,000	5'4"	23'10"	7	3,130	908.00
5,000	8'0"	13'7"	1/4"	4,484	1645.00
6,000	8'0"	16'2"	1/4"	5,123	1800.00
8,000	8'0"	21'6"	1/4"	6,475	2230.00
10,000	8'0"	26'10"	1/4"	7,825	2660.00
10,000	10'0"	17'0"	1/4"	6,956	2405.00
12,000	10'0"	20'6"	1/4"	8,074	2800.00
12,000	10'6"	18'7"	1/4"	7,900	2690.00
15,000	10'6"	23'2"	5/16"	11,857	4130.00
20,000	10'6"	31'0"	5/16"	15,105	5160.00
25,000	10'6"	38'7"	3/8"	22,115	8135.00
30,000	10'6"	46'4"	3/8"	25,999	9430.00

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1,500	5'4"	9'0"	7	1,388	\$75 to \$175
2,000	5'4"	12'0"	7	1,735	100 to 200
3,000	5'4"	17'11"	7	2,432	150 to 300
4,000	5'4"	23'10"	7	3,130	250 to 500

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2,000	5'4"	12'0"	7	1,615	\$200.00
3,000	5'4"	17'11"	7	2,312	300.00
4,000	5'4"	23'10"	7	3,010	400.00

Used tank shells have been steamed and have had the ends removed from tank.

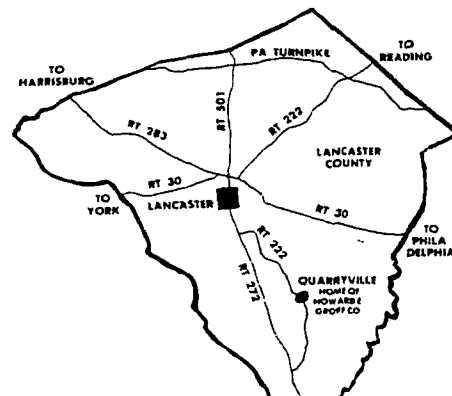
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Herbicide impregnated muriate of potash looks promising

NEWARK, Del. — Muriate of potash impregnated with herbicides is another weed control option for corn, soybeans and alfalfa, says University of Delaware Extension agronomist William H. Mitchell. There are three reasons why he considers this practice feasible.

First, in some cases potash may be the only major plant nutrient applied as a broadcast fertilizer, because of the trend toward band application of phosphorus.

Second, 30 percent nitrogen solution—currently much used as an herbicide carrier—is becoming less popular for broadcast use because of low nitrogen recovery.

Third, if muriate of potash can be effectively impregnated with herbicides, weed and feed can be accomplished in a single application. This will result in fuel savings and reduced compaction from field traffic. With minor modifications, Mitchell feels bulk blenders can be used to do the impregnating.

During the 1980 and 1981 growing seasons, he studied the effects of herbicide impregnated potash in both corn and soybean plots at the university's experimental farm in Newark. He used a twin-shell blender to prepare several potash-herbicide formulations for the demonstration. Each was applied both as a pre-plant incorporated and pre-emergence treatment.

In all cases, planter rows were used as a guide when broadcasting

the impregnated fertilizer. Treatments were compared with and without cultivation, with cultivation in the absence of herbicides serving as the control.

Tests showed that, in general, herbicide impregnated fertilizer treatments equalled spray treatments for control of foxtail, panicum, and crabgrass, he reports. One cultivation improved the effectiveness of herbicides in controlling a broad spectrum of weeds. Excellent control was achieved with several herbicide-fertilizer combinations when coupled with one cultivation.

"Uniform application is essential in this approach to weed control," says Mitchell. "Also, fineness of the fertilizer will govern how well the herbicide is distributed." For best results, at least 200 pounds of broadcast fertilizer must be used to serve as the carrier.

Avoid using nitrate fertilizers such as ammonium nitrate, potassium nitrate and sodium nitrate, since these materials are not compatible for impregnation with most herbicides.

Some of the triazine herbicides such as atrazine and simazine may also react with phosphorus, reducing the effectiveness of both materials. "These are additional reasons for considering muriate of potash if you're searching for a fertilizer to impregnate with herbicides," he says.

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For Sale- JD 4020 gas tractor, wide front, 300 hrs. on overhaul, good cond., 717-784-1779.

For Sale- Reupholstered recliners and sofa beds, Stephen F. Stoltzfus, 2705 Creek Hill Road, Leola, Pa. 17540



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For Sale- New plowshares, shins, landsides, moldboards, to be sold at David Good's sale, Jan 6. Bring old share to match holes

For Sale- Purebred collie puppies, nicely marked, Elmer B. Stoltzfus, 120 N Runk Road, Runk, Pa.

For Sale- 75 Peugeot, 504 Diesel, 4 speed, sunroof, am-fm radio, velour seats, radial tires, \$2,500. 717-283-4503 Dauphin, Harrisburg.

For Sale- 1950 GMC 14' flatbed, 26,000 gross weight, \$625 215-377-5989 Carbon Co.

Wanted- One horse sleigh complete w/driving harness 301-838-4037 - 836-7221.

MAILBOX MARKET

For Sale- 770 Case diesel, \$5800 1740 Case diesel skid loader, 1240 JD plateless corn planter, \$1250. 717-733-0575 Lanc. Co.

For Sale- JD 14T Baler, 2 row Stauffer tobacco planter, Lanc. Co 717-733-3609

For Sale- Pointer hunting dog, half mile east of Wakefield, Joe Stoltzfus, RD1 Box 346, Peach Bottom, Pa. 17563.

For Sale- Snow blower for AC B 10 riding mower \$100 717-548-2862 Lanc. Co.

For Sale- 8 boar hogs about 200 lb Chester White & Yorkshire crossed. Samuel Kauffman, R1 Box 284, Christiana, Pa 17509, Bell Road.

Wanted- Small table saw, state condition & price, Cumberland Co 717-776-3578 5-7 p m

MAILBOX MARKET

Wanted- Toy tractors and equipment from the 1960's and before. Pay up to \$75 each. Call Dave 717-768-3554 Lanc. Co.

For Sale- All-purpose work horse, 2 miles west of Buck, Marcus B. Beiler, Holtwood, Pa. 17532, Box 75G RD#2.

For Sale- One black and one white cast iron cookstove, exc cond., Chester Co. 215-593-5754.

For Sale- Gehl CB600 2 row chopper, 2 - NH #8 forage boxes, 1- Gehl 810 forage box, Lanc. Co 717-529-2723

For Sale- 1974 Gore 2 horse trailer, Md. insp. 3-30-81, asking \$1350. Appaloosa filly, Adams Co. 717-359-5010 or 5281.

For Sale- New JD 4 row dry fert kit, New Dickey-John 4 row monitor, after 6 p.m. 717-444-3447 Perry Co.

For Sale- Alfalfa, all top quality, no rain, 1st cutting \$2.50/bale. 2nd cutting \$2.75/bale. Route #568 Knauers, Berks 215-777-8120

For Sale- 30 or more feeder cattle, mostly bulls, about 500#, have 67' Chevy Truck "T", call anytime, 717-362-9850 Dauphin Co.

For Sale- Reg. Holstein bull, born 7/30/80 Sired by Astronaut, dam classified, VG85, w/over 800 fat, price \$950 215-593-5853

For Lease or Sale- Very typy registered bull by Creek Maternal, Dams by Gay, 1 Star, Performer, Ivanhoe & Lucifer, 717-687-8893

For Sale- Wooden Cattle racks, w/loading ramps for 8' pickup \$200 Wanted- 12-14' stock trailer, Dauphin Co 717-469-2379 or 717-545-0149

For Sale- 1967 Camaro, no title, good body, glass, bumpers interior etc., \$250 or B.O. Chester Co 215-932-4728.

For Sale- 300-1 1/8 bushel crates \$50, potato cutter \$20, hog feeder 16 hole \$75. 717-374-1487 Snyder Co.

For Sale- Skid loader, mini mac, 16 horse power bucket & forks, \$1500 Columbia Co. 717-458-6831.

For Sale- Gross chains for tractors, 20" long, 3/8" material, \$50 bag of 25 Other sizes too. 215-696-1703 Westchester.

For Sale- One Grade Holstein heifer, sired by Jet Stream, due in Feb \$950 Juniata Co 717-436-8707

For Sale- Double doghouse, all metal app 4'x6', for large dogs, removable shed roof, 2" styrofoam insulated, Somerset Co 814-629-6740.

For Sale- JD LA tractor w/cultivator, 1 bottom plow - pulley power take-off wheel weights, excellent cond., \$1,850 215-267-3113 Lanc. Co.

Wanted- 50 lb. Delaval milker pail, state price and condition, J. Elmer Lapp, R6, Box 252, Coatesville, Pa. 19320

For Sale- Ford 289 Engine, runs good, has new rebuilt carburetor on it \$75. GM car rims, Perry Co. 717-834-4834.

For Sale- 300 gal. field sprayer, fiberglass tank, pump, all controls, field ready, \$825. 1956 Caddy, \$1500. Adams Co. 717-359-4796.

For Sale- 2x8x16 tile for bunk feeders & barn troughs 4x8x16 & 5x12x16 Roll guard & roof, Berks Co 215-488-7433.

For Sale- 3 very nice grade Elevations \$2800, big, gentle, due late Feb. Susq. Co. 717-833-2730.

For Sale- Palco tilt table for hoof trimming and foot work on cattle, Cumb. Co 717-486-7520

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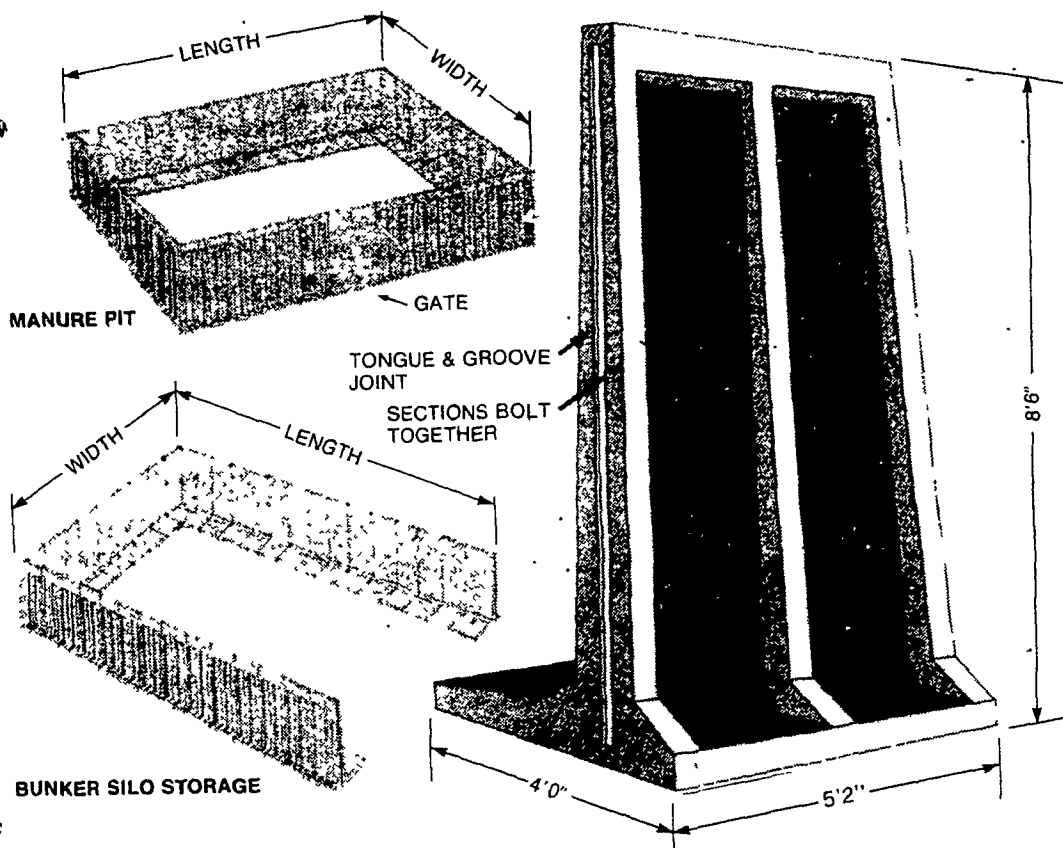
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9'8"	431	576	720	862
10'6"	485	648	808	971
11'4"	539	720	900	1078
12'2"	593	792	989	1187
13'0"	648	864	1080	1296
13'8"	688	936	1170	1376
14'6"	755	1008	1260	1510
15'4"	808	1080	1350	1616

*BASED ON LEVEL FILL WITH 45 LBS. PER CU. FT.



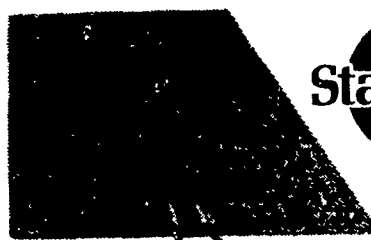
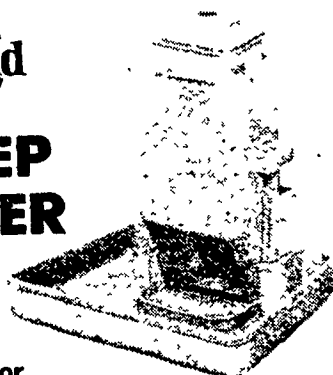
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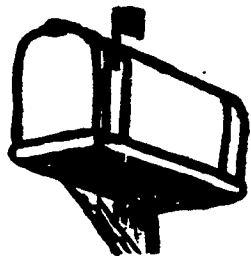


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For Sale—Reg. 2 yr. old A.Q.H.A. Filly Bay, gentle & nice disposition, asking \$700. Perry Co. 717-834-5024.

For Sale—One grade Holstein cow, fresh, 4th calf. David Shirk, Slate Road #3, Ephrata, Pa. 17522.

For Sale—Standardbred buggy horse, safe & sound for any young boy or woman to drive. Lanc. 215-445-6957.

For Sale—3 Nubian nanny goat kids from good stock. Jacob S. Stoltzfus, 39 Colonial Rd., Gordonville, Pa. 17529.

Wanted—3 bottom drag plows, 14-16" slat mold boards, prefer JD or IH 914-651-7457 after 6 p.m. Orange Co.

For Sale—2 yr. old Hanover Standard bred Stallion, 161 hands, green broke to ride or drive. Sullivan Co. 717-924-3756.

For Sale—10 yr. medium size bay work horse, mare, Ben B. Glick, R2, Box 210, Delta, Pa. 17314.

For Sale—Family cow, 6 yr. old guernsey \$500 or 4 yr. Holstein \$600. 717-656-9393.

For Sale—6 Holstein heifers, good breeding. Bred to ABS Bootmark son, due mid-August 1982. Franklin Co. 717-597-4755.

For Sale—Sputnik with new compressor, cheap. 250" 1 1/4" vacuum line, dbl s.s. wash tub. Cumb. Co. 717-243-4691.

For Sale—IH 1050 grinder-mixer, like new. 2 Grove H self unloading storage boxes, exc. cond. Berks Co. 215-678-9717.

For Sale—Sicard Snowblower, 6 1/2' with 4 cyl. Wisconsin Baughman 6-8yd. salt spreader, 8' long Chester Co. 215-286-6645.

For Sale—10 bred Corriedale ewes due for Jan-Feb 3 1/2 yrs production records available, \$110 each. Leb Co. 717-867-1305.

For Sale—72" Mott flail mower, 3 pt hitch, exc. cond. \$500. Bucks Co. 215-257-8491.

For Sale—Farmall H \$800. Call before 7 a.m. Berks Co. 215-683-7230.

For Sale—5 row away chicken nests. Wanted—four ton feed bin. 717-354-7922.

MAILBOX MARKET

For Sale—Cochin hens out of blood tested stock, 16 weeks old. Lanc. Co. 717-733-8432.

For Sale—Billy Goat \$50 wether goat \$25 will consider trade for sheep or feed. 717-921-2810 Dauphin.

For Sale—Used cameron wood or coal stove. Amos L. Stoltzfus, Strasburg RD1 Box 215 at Carriage Shop.

Wanted—Hydraulic endgate for New Holland \$790 spreader. 717-354-7163.

For Sale—200# anvil W.C. AC tractor for parts, Andy J. D. Miller, RD1 Box 73 Wyoming, DE.

For Sale—Two saddle bred carriage horses, one 17 hands, Lanc. Co. Amos Beiler, Gap, R1, Pa. White Horse.

For Sale—Fisher fireplace insert, new Dec 1980. Nickel plate trim, \$600. 717-548-2272.

Wanted—4 harness loom Call or write stating price and condition. Karen Redfearn R1 Box 502, Conestoga 717-872-8581.

For Sale—10 Rottweiler puppies, Lanc. Co. 717-354-5489.

For Sale—NI 12 spreader, \$695. NH rake used 2 years \$1095. Oliver Radax 2 bottom trailer plow \$295. 717-354-0266.

For Sale—Windpower generator PTO 12 KW On trailer with electric cord. Chester Co. 215-932-2353.

For Sale—Steel trusses, 75' clear span, Can deliver, Schuylkill Co. 301-348-2179.

For Sale—14 inch youth show western saddle and bridle, like new, \$350 value for \$100. Chester Co. 215-932-4728.

For Sale—20 Hyline 77 roosters; approx. 750 5/8 tomato baskets, hanging chicken feeders. Amos Stoltzfus, R3 New Holland, PA.

Wanted—IHC Electra generator, 110-220 V for Farmall MD or 400 D. 301-972-4437, 301-972-3125 collect. Montg. Co. Md.

For Sale—7 Polled Hereford heifers. Outstanding breeding & type. Perry Co. 717-438-3556.

For Sale—Milk goats, bred does, yearlings and taking order for kids. Also one Pygmy adult buck. Adams Co. 717-359-5165.

Wanted—One 3 bottom trailer plow, good cond., For Sale—Chev rear axles 215-267-2711.

For Sale—IH Cub w/new Woods rotary belly mount mower, \$2495. '52 8N Ford recond. & repainted 215-847-5907 Bucks Co.

For Sale—New 3 pt. fertilizer spin spreader, \$395. V-type snow plows, Case 300 & 630 tractors w/ or w/o loader, 717-345-4882.

For Sale—Pine and oak pallets. Most like new, some broken, 2000 or more, highest offer, Chester Co. 215-948-3884, 215-948-9426.

Wanted—Complete set of rear wheel weights for Ford 3000 tractor 28" rims. Call after 6 p.m. 717-275-3909 Montour Co.

For Sale—NI #12A and #17 manure spreaders \$500 each, excellent cond. will deliver. Berks Co. 215-562-4402 eve.

Wanted—Late model 42 foot flatbed trailer with or without side slider. Sch Co. 717-345-4489.

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MAILBOX MARKET

Wanted—36 Ford station wagon, must be in good condition. Montg. Co. 215-933-2469.

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For Sale—Outside call hutch, \$75 each. David B. Stoltzfus, Rd 2, Box 282B, Nottingham, PA, take Brown Rd. at Little Britian, second road right.

For Sale—Mushroom Soil - 200 bu. to 800 bu. from \$40 to \$80. Save fertilizer dollars - use poultry manure. Delivered in trailer lots. 717-859-3348 after 5 p.m.

For Sale—Purebred Duroc boars, open and bred gilts, all age breeding stock, certified herd #82. Ph. 717-733-2310. W.F. Ruoss, 126 Irene Ave., Ephrata, PA 17522.

For Sale—1130 Massey Ferguson app. 150 hrs on overhaul. 1 set 18x4.34 duals, clamp on Schuylkill Co. 717-648-7994.

For Sale—1966 Ford 1/2 ton pickup 289 V8 automatic, good shape. 412-455-2489 Fayette Co.

For Sale—Two Int. DV-55 diesel engines, one complete, one parts. Both, \$750. One Ford 534. New Brun. NJ 201-249-3090.

For Sale—1974 C-65 Chev w/366 eng. 5+2 trans. 26,000 GVM \$3700. 1970 Ford 330. Montgomery Co. 215-679-2682.

For Sale—Badger liquid manure spreader, 3500 gal. also AC 7040 tractor, 900 hrs., 135 hp. Cumberland Co. 201-356-6331.

For Sale—Caterpillar Model 15. AC HD5 front end loader in good cond., with exc. under carriage. 201-782-3391.

For Sale—Clean oats, straw 1.00 bale or \$50 a ton. Schuylkill Co. 717-739-4713.

Wanted—Fairbanks platform scale, must be in excellent cond., Monroe Co. 717-992-4856.

For Sale—3000 Ford Tractor, w/770 Ford loader, like new rubber, good engine, 2000 hrs., excellent cond., Lanc. Co. 717-733-6206.

For Sale—AKC collie dog, 2 yrs. old, very gentle, D.F. King, Newport Rd., Gap, Box 18, Lanc. Co. 17527.

For Sale—Maple fire wood, Aaron E. Stoltzfus, 86 S. Groffdale Rd., Leola, Pa. 17540.

For Sale—Service age registered Holstein bull by Cavalier Dam: V.G. Ex. mammary 2-0, 17, 162m 3.9. 717-442-4842 Lanc. Co. Calvin Beiler.

For Sale—New walnut case grandfather clock and Early American dry sink. 717-535-5295.

For Sale—Int. 350 rubber tire tractor loader-backhoe \$4800. Adams Co. 717-624-4648.

For Sale—Caterpillar #15 antique crawler tractor \$895. JD 7 ft. offset disk, excellent \$395. Lanc. Co. 717-548-2559.

For Sale—JD 999 2-row horse corn planter with long tongue & double tree, good cond., \$345. Lanc. Co. 717-548-2559.

For Sale—Goats, Billy and nanny, 2 years old, excellent temperament will sacrifice for good home, \$30. 717-528-8555 Adams Co.

For Sale—Two mules, one bay 5 years old 1,400 lbs., one gray 6 years old 1,200 lbs. 717-485-4179 Fulton Co.

For Sale—Firewood u-cut, \$25/cord, 6 acre hillside wooded, perc approved good hunting, 717-546-8944 after 5 p.m. for appt.

Wanted—Hydraulic pump or complete front loader for Ford 8N tractor, 609 429 3799 Camden Co.

MAILBOX MARKET

For Sale—Red and yellow plow & rakes & stayerman, also custom sider pressing, 717-354-7209 Lanc. Co.

For Sale—Coonhounds, AKC Reg. walker pups, 16 wks. old, 1 male, 2 females, bloodline and markings \$100 each. 717-222-3779.

For Sale—Echo 302 chain saw, 14 inch, and carrying case, extra chain, excellent cond., \$130. 717-733-0924.

For Sale—Top buggy, hyd brakes, good cond., \$1200 Lanc. Co. 215-484-4131.

For Sale—Red & white holstein bull calf. Pequea hay tedder, ground driven, like new, \$850. Lanc. Co. 717-684-8137 or 717-285-3878.

For Sale—1971 Panther snowmobile electric start, engine very good, mechanically good cond., \$400. Lanc. Co. 215-445-5018 after 4.

For Sale—13 yr. Reg. Appaloosa gelding 14.2 hands, shown and trail ridden by child, \$900. Franklin Co. evenings 717-263-0141.

For Sale—JD 3 bottom trailer plow, Cummingham crimper, parts for JD 25 combine, Bucks Co. 215-249-3623.

For Sale—Dumping station to sit next to milk tank, Franklin Co. 717-532-6534.

Will sell 25 guinea pigs and pen, \$24. Aaron F. Ebersol, #2 Honey Brook, Pa. 19344 Lanc. Co.

For Sale—Reg. Molly Chief cow, nice 3 yr. old. Daniel M. King, Morgantown, RD1 Box 100, Pa. 19543.

For Sale—Alfalfa hay, no rain, \$120/ton. 8 feeder pigs, 40 lbs. Lanc. Co. 717-426-3871.

Wanted—Drawbar for H or M Farmall Lanc. Co. 215-267-4635.

For Sale—2 Sputnik's with compressor, excellent cond. 717-768-8839.

Wanted—Used 7' mower conditioner, IHC, Hesston, or New Holland. Must be in A-1 condition. Berks Co. 717-933-8134.

For Sale—JD 9' disc and 9' Brillion packer, both good cond., good size for use w/team. Lanc. Co. 717-442-4596.

For Sale—3 1/2 hp Tecumsek gas engine with horizontal shaft and starter. Lanc. Co. 717-656-9734.

For Sale—Wood splitter, 12 hp, industrial quality split anything \$1000. Morso wood stove, 717-653-4652 after 6 p.m. Lanc. Co.

For Sale—Estate Heatrola, tropic air gas heater, 25,000 BTU, 2 Perfection oil heaters, 45,000, 60,000 BTU, Chester Co. 215-273-2686.

For Sale—MH 268 baler, 331 spreader, 404 hay crimper, Case elevator, JD parallel rake, 717-626-6142 Lititz, Pa.

For Sale—Large guernsey cow, heavy springs, give lots of milk \$650 York Co. 717-993-2377.

Wanted—VG Wis. motor. For Sale—8N Ford, 7 ft. snow blower, D-4 crawler. Berks Co. 215-777-0052.

For Sale—3 butcher hogs, 300 lb. Reuben B. Fisher, RD1 Box 161, Paradise, Pa. Lanc. Co. 17562.

For Sale—Reg. Angus bulls and heifers, Orange Gate Angus Farm, Maurertown, VA 22644, 703-459-3414.

Wanted—200-300 gal holding tank, meat grinder, 30 gal S.S. barrels, castors, S.S. 6 ft table, ratchet press, S.S. sink, 215-862-9148 10-5.

Used Bee Equipment, Inverbrook Apiaries, R.D. #2 Box 230, West Grove, Pa. 19390, 215-869-3353.

For Sale—1 Bowman manure spreader. Elam K. King, RD2 Box 402, Ronks, Pa. 17572.

MAILBOX MARKET

For Sale—Spring wagons & buggies & horse related items. 301-398-5696 after 7 30 P.M.

For Sale—1964 Mack BG1 with Stoltzfus Hydraulic wet lime spreader and vibrator, very good cond., \$8500. 215-869-9595 Chester Co.

For Sale—Reg. Hampshire, Suffolk and Southdown Rams. Preston Bankert, #3, Red Lion, Pa. 17356. 717-244-1244.

For Sale—Cookware, stainless steel, waterless, must sell, 1/2 of going price, slightly used. 717-464-4662.

Will buy & sell all types of horse drawn equipment. 215-593-5754.

Groffdale Lawn mower sharpening - Along Rt. 23 across from Short Rd. 1/4 mile west of Witmer's Coach Shop. Henry K. Fisher, 494 E. Main St., Leola, Pa. 17540.

For Sale—18x20 lav. w/spigots \$10, 717-393-2410.

For Sale—Miniature collie puppies, shots, wormed & AKC papers, 717-345-3383 or 345-3457.

For Sale—Model PJ4 Petter Diesel engine 40 hp at 1800 rpm, good cond. \$850 or reasonable offer, 717-733-7420.

For Sale—Young beef herd, sell as group. 10 Reg. Hereford, 3 Shorthorn, 1 Angus 1 Charolais. All Polled, 717-677-8003.

For Sale—Full grown Chihuahua pups, male and females, no Sundays sales, Reuben B. Fisher, Paradise R#1, Box 161.

For Sale—5206 Deutz, 2 WD with only 400 original hrs., excellent cond., Cumb. Co. 717-532-3360 after 7 p.m.

Wanted—A number 53-A New Holland bale thrower for a New Holland #270 baler, Lycoming Co. 717-353-2652.

For Sale—IH 10 Disc grain drill, tractor drill on steel, has fert. grass seed attach. 215-689-5611 Berks Co.

For Sale—AKC Yorkie puppies, 2 1/2 lb. AKC Yorkshire stud service, Nathan L. Martin, Ephrata RD3, Hahntown Rd.

For Sale—AC D17 diesel series 111 on steel, equipped w/3 spool hydraulic valve, in good cond., Lanc. Co. 215-445-5085.

For Sale—H Farmall w/loader, bucket, belt pulley, wheel weights, 2 row mounted, York Co. 717-252-3416 anytime.

For Sale—Corn silage \$35 @ ton about 150 ton also wheat straw \$1 a bale, Lanc. Co. 717-733-0684.

Wanted—Good used metal farrowing crates within 100 mi. of Franklin Co. 717-328-2305.

Wanted—Used milker pail to fit Bou-matic lid. For Sale—Ford disc, Lanc. Co. 717-529-2937.

For Sale—New Trogon hog waters, model 33 \$10.50 each. Also New Northco magnet cow feeder, \$160. Lanc. Co. 717-665-2561.

For Sale—6 1/2 hp diesel Lombardini used 40 hrs., 150 bu. manure spreader, 9' haybine, cleaner chain, Lanc. Co. 215-445-5309.

For Sale—1936 Diamond T Fire engine pumper, 6 cylinder engine w/500 g.p.m. pump, runs good. 717-393-7452 evenings, Lanc. Co.

For Sale—Boy's Schwinn apple crate 5 speed disc brakes with knee action, 717-299-6882 For Sale—Assorted cherry logs 8" to 22" diameter. Length 4 ft to 12 ft 717-299-6882.

For Sale—Horse drawn mower parts and plow shares, all new Used lumber & tin approx 150-2x4x15 Dauphin Co. 717-657-0606.

For Sale—5 hp air compressor with motor and tank, can be seen under power, Lanc. Co. 717-656-6468.

MAILBOX MARKET

Wanted—Wanted rear rims to fit JD "H" tractor (takes size 932). Will consider buying complete tractor, Chester Co. 215-932-9323.

For Sale—Reg. Ayrshire bull, quiet 3 1/2 yrs old, Ardrossan dam, Redina sire, 201-782-6176 Hunt. Co., NJ.

For Sale—New steel star plowshares, shins coverboards, landside, \$3 each. Moldboards, \$25. New salvage aluminum sheeting, Berks Co. 215-286-5434.

For Sale—Oliver Radex trailer plow, JD disk harrow cultipacker, 2 14x28 tractor tires, 717-786-3618.

Wanted—Rent—Farmland in Berks, Lehigh or surrounding area. Top prices paid, 215-756-6269.

For Sale—Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines. Willow Glenn Farms, Rd 2, Strasburg, Pa. 717-786-2562.

Fine Selection of pleasure Tennessee walking horses, \$800-\$1800, quality yearling and weanling colts. At Stud. Senator's Thunder, black and beautiful, 215-267-7311.

Wanted—Christmas trees for Christmas 1981. Will buy cut or in ground, 215-968-4440.

Fox Terrier stud service. 717-354-7186.

For Sale—Peafowl, 6 cocks, 1978 hatch \$50 each, also 1979 chicks, \$10 and up. Westminster, MD 301-876-1235.

MAILBOX MARKET

Registered Yorkshire Boars, bred gilts and open gilts, will deliver. Red Run Farm, R2, East Berlin, Pa. 17316, York Co. 717-292-4634.

For Sale—Rope halters for cattle, made to order, 717-898-7020 Lanc. Co., Pa.

Wanted—New or used storm front market wagon, and/or spring wagon, state price and condition, all replies answered, T. Holliday, Rt. 4, Box 244, Waynesboro, TN 38485.

Top Quality Hay, Straw, Oats, Steer hay 140 per ton and up, mulch hay. Call before 7 a.m. or after 7 p.m. 201-735-8389 or 201-735-4408, days 201-735-8865.

For Sale—1600 gal. fuel oil tank truck body 215-345-1909 after 7, Bucks Co.

For Sale—All size silo roofs at reduced cost, 717-687-6672 or 768-3095 Lanc. Co.

For Sale—Reg. polled dorset ram, exc. bloodlines, 3 yrs. \$100. Perry Co. 717-567-6063.

For Sale—JD 730 diesel wide front end, three point, exc. cond. Adams Co. 717-677-8837.

For Sale—Black cookstove - six burners - warmif oven, 215-932-2056 Chester Co. after 6 p.m. weekdays, Saturdays & Sundays all day.

For Sale—2 sidewall hanging Coleman lights, \$25 each. Enos B. King, Box 412 R1 Gap, Pa. 17527 Meadville Rd.

For Sale—Good 292 Chev. motor for parts, \$100. York Co. 717-993-2848.



Lancaster Farming Subscription Service

CHANGE OF ADDRESS?

Please give us 3 weeks advance notice. Attach label from current paper and attach in space provided; write in your new address below. Changes will be made as close to requested date as possible.

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Check the proper box and fill in your

Charolais breeders choose 'Herdsman of Year'

HOUSTON, Tex. — John Bauman of Bauman Ranch, Inc., Carpenter, Wyo., was selected 1982 Charolais Herdsman of the Year. He was presented with a belt

buckle at the annual Charolais Herdsman Luncheon held in conjunction with the North American International Livestock

Exposition. Kentucky's Lieutenant Governor Martha Layne Collins, who was the guest speaker at the banquet, also presented Bauman,

as well as other Herdsmen of the Year from 1979-81, with Kentucky Colonel certificates.

Other Herdsmen of the Year who were presented with buckles and certificates were: Dan Bush, Barton Charolais Ranch, Manti, Utah, 1981; Chuck Drun, Jr., Canada Coal Charolais, Morehead, Ky., 1980; Spencer Church, Berlin Center, Ohio, 1979; and Lome Molt, Minute Man Farms, Yerington, Nev., 1978.

Bauman, 24, is a member of the fourth generation to be living on the Bauman Ranch near Carpenter. He is the second child of Darold and Leola Bauman and has been working with Charolais all of his life.

He was a member of the county 4-H club for ten years and also a member of the Future Farmers of America. He, along with the rest of his brothers and sisters, has won many championships in county and state livestock shows. He exhibited the reserve champion female at the 12th annual National Charolais Show held in Denver.

He was a charter member of the Rocky Mountain Charolais Association and is presently serving as its vice president. He owns close to 100 registered Charolais in his own herd. Bauman was married this past May, and he and his wife, Patsy, work together exhibiting the Bauman show string on the circuit.

PUBLIC SALE OF 84 ACRE DAIRY FARM HOUSEHOLD GOODS, ANTIQUES SATURDAY, JANUARY 16, 1982 10:00 A.M.

Located along Red Well Road, 5 miles southeast of New Holland. 3 miles east of Intercourse, Leacock Twp., Lancaster Co., PA.

DIRECTIONS: From New Holland take Brimmer Ave. (New Holland Rd.) south 3½ miles to Peters Rd., turn left, then right onto Red Well Rd., first farm on left. Near Pequea Menno. Church. Watch for yellow sale signs.

A certain tract of land consisting of 84 Acre Level Limestone Dairy Farm

More or less, with app. one mile of road frontage. Erected thereon a 2½ story 15 room Double Stone-Block Farm House 2½ baths, 2 laundries, porch. Two Bay Frame Bank Barn with 30 stanchions, large box stall, attached a cement block milk house, 20'x50' loafing shed, corn shed and tobacco shed with dampening cellar and stripping room, 10'x50' poured cement silo, 6'x28'x75' trench silo, two round wire corn cribs - 1100 bu. and 1600 bu., 32'x60' block chicken house, 4 car pole shed type garage, small shop. Well with pressure system. Large cistern.

OPEN HOUSE: Saturdays, January 2 - 9, 12:00 noon to 4:00 P.M.

TERMS: 10% down day of sale, balance on or before April 1, 1982

REAL ESTATE AT 1:00 P.M.

ANTIQUES - HOUSEHOLD GOODS

Bowers Sideboard; 3 pc. Oak Roll Top Bedroom Suite with S-M; 6 pc. Waterfall Bedroom Suite with S-M; Single Bed with S-M; Very Old Large Painted Wardrobe with Drawers; Two Blanket Chests, one mark L.H.N. 1905, other has two drawers; Big Boy Chest of Drawers with Glass Knobs; Double Door Cedar Wardrobe; 6 Dec. Living Room Chairs; several Old Rockers; 6 Cane Seated Chairs, near repair; Wooden High Chair; 10 Board Dropleaf Ex. Table; Oak Ex. Table, needs repair; Old Slant Top Desk with Secret Drawer; Flour Chest; Dough Board; Hotpoint Refrigerator; Coleman Space Heater; Caloric 4 Burner Gas Range; Frigidaire 20 cu. ft. Freezer; Singer Electric Sewing Machine with cabinet; Maytag Wringer Washer; Electrolux Sweeper, like new; 2 - Wooden Clothes Trees; Old Parlor Stand; Mantel Clock; Antique Wall Medicine Cabinet with Mirror and Towel Rack; Kitchen Cabinet; Old Steel Meat Scales, good condition; Wooden Apple Butter Stirrer; Kerosene Lamps

Wooden Clothes Dryer; Rug Frame; Wooden View Master and Pictures; Coal Bucket; Lawn Chairs; 3 - Porch Benches; Electric Heater; Small Table with Lamp; Bookcase; Polelight; Floor Lamp; F.M. Wireless Intercom, like new; Toaster; Mixer; 2 - Sets of Silverware; Stainless Steel and Copper-Bottom Cookware; Pyrexware; Ironstone Gravy Boats and Platters; Cut Glass Dishes and Pitchers; Dec. Veg. Dishes; Pink Glasses; Vases; Relish and Candy Dishes; Old 7 pc. Hand-painted Pitcher Set; Crocks; Roasters; Misc. Kitchenware; Suitcase; Throw Rugs; mottoes; Misc. Bedding and Linens; Misc. Hand Tools; Shoe Lathe; Egg Baskets; OXEN STEEL SHOE: plus more things not listed.

BOOKS: History of New Holland 1728-1928 by M.G. Weaver; Martin M. Sauder, Daniel S. Burkholder, Joseph Hershey, Mose Horning, Michael S. Wenger, Nolts', Glause Zimmerman Family Books.

Come early and enjoy the day with us. Sale held in tent if necessary.

Sale for

MAHLON M. WEAVER EST.

717-354-0416

Michael N. Weaver, Franklin N. Weaver, Execs.

Atty. Thomas H. Wentz

Aucts. Nevin Z. Martin, Lewis B. Groff
Clerks Martins

Lunch Served

No Out of State Checks

Not Responsible for Accidents



GAP AUCTION FRIDAY EVE., JAN. 8 5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION

CONSIGNMENTS ON MONDAYS
FROM 8:00 A.M. to 7:00 P.M.
OTHER DAYS BY APPOINTMENT

Selling a complete household from Coatsville, including oak pieces & antiques.

Call us for pick-up service

IRA STOLTZFUS & SON, Auctioneers

442-4936 or 442-8254

CONDUCTORS ALL TYPES PUBLIC SALES
NEXT SALE - JAN. 8, 1982

PUBLIC SALE

ESTATE OF R.J. BABBIN AND BABBIN AND HARMON, INC.

POTATO FARM MACHINERY, SHOP TOOLS,
OFFICE EQUIPMENT AND ANTIQUES
SATURDAY, JANUARY 9, 1982
11:00 A.M.

Atlanta (Steuben Co.) New York
Selling without reserve, the following:
OFFICE EQUIPMENT AND ANTIQUES
(sell first at 11:00)

2 steel office desks; wooden office desk with leather top; 4 steel file cabinets; 2 leather covered steel office swivel chairs; steel storage supply cabinet; steel clothes tree; secretaries chair and other chairs; Gary heavy and large office safe; 3M portable copiers; elect. adding machine; 2 checkwriters; almost new color t.v. antenna; Beckwith Estate round oak type stove; air tight box wood stove; 2 cast scalding kettles; other cast kettles; 2 ice cream parlor chairs; dome top trunk; copper boiler; antique chairs; depr. era sideboard and matching china cabinet, etc.

TOOLS

Brand new metal pick-up tool box; New (used twice) 3750 portable generator with gas engine; like new Craftsman variable speed floor model drill press; like new gas powered model 698 weed eater; 24 ft. alum. ext. ladder; salamander heater; Stihl chain saw; portable air tank; Precision garden seeder; battery charger; ¾ h.p. Dayton motor; 1 ton chain fall; acc. torch outfit; bench vise; grinder; power hand grinder; gas powered lawn edger; lawn seeder; jig saw; power hand plane; sabre saw; router; band saw; small table saw; barn fogger; gas furnace; tarps; plus usual other small items.

MACHINERY:

Farmall Super M with w.f.e., almost new rubber, 6 valve hydraulic bank, etc.; Oliver wide gauge crawler with Wisconsin V-4 engine; Haines 40 ft. bulk truck loader with grader and conventional boom, older style; J.D. 30 level bed 2-row digger; 15 ft. dirt eliminator conveyor; 1963 Ford flat bed truck; 1960 I.H. flat bed 10-wheeler; 1955 I.H. flat bed 10-wheeler; 1959 I.H. flat bed with hoist; small irrigation pump with gas engine; Van Brunt 15 disk drill; iron age wooden tank boom sprayer; M.F. 10 h.p. riding lawn tractor with mower, needs starter; 2 good 10:00-16 front tractor tires; 7 good 11:00-20 army truck tires; brand new set of Exact Weight pecking scales; 3 sets of used Exact Weight pecking scales; few plastic picking baskets; used burlap bags; etc.

LUNCH AVAILABLE! Dress for weather conditions!

Terms: Cash or good check day of auction. I.D. required!

Owned by

**R.J. BABBIN ESTATE AND
BABBIN AND HARMON, INC.**

Auction Conducted by
PIRRUNG AUCTIONEERS, Inc.
Wayland, N.Y.
716-728-2520

Soil survey info available

CHAMBERSBURG — different types of soil in There are about 40 Franklin County,

PUBLIC AUCTION

COMPLETE LINE OF GROCERY STORE
EQUIP., MEAT EQUIP., COOLERS, ETC.
AT ABSOLUTE AUCTION.

Owner retiring after 49 years, at 30 S.
Main St., Muncy, Pa. (Lyc. Co.)
WED. AFTERNOON, JANUARY 6
1 P.M.

9 refrigerated meat-deli-produce-dairy cases; ice cube maker; upright cooler; 2 walk-in coolers; cooling compressors up to 2 hp. (2-3 phase); prepacking scales; Toledo digital scales; 2 NCR cash Registers- 1 electronic; quantity of Gondola shelving; 2 meat band saws; 2 auto. meat slicers- 1 stacker; hamburger patty machine; 2 HD meat grinders; 2 elec. tenderizers; 2 heat seal wrappers; other smaller items; etc.

Terms: Cash or good check w/guaranteed bank letter of credit unless established w/auctioneer.

Owner, **STORRES COPPES**

546-5181

Auctioneer-Fraleigh Auction Co.
546-6907

Sale held inside

For full list contact auctioneers

PUBLIC SALE OF ANTIQUES

SAT. JAN. 9, 1982
9:30 A.M.

Located at Hoffman Building, Community Park, Quarryville, PA.

From the collection of the late John F. Groff of New Providence, PA.

Antiques consist of 5 chest of drawers, 3 sideboards, 1 walnut display case, glass doors, 3 glass showcases, 1 U-shaped, tables, 2 school desks, pine 2 piece cupboards, plank bottom, Windsor and Cane seated chairs, plank bottom high chair, spool legged stand, Early Pianola player piano, piano rolls, Victrola records, Singer sewing machine from the Quarryville Shoe Factory, candlestands, umbrella stands, old canes, picture frames, old baskets, lamps and lamp parts, cuckoo clocks, apple butter and scrapple stirrers, two wood sulfate stutters, three foot warmers, wood rake, wood tri square, wood tongs, small wood spade, wooden clothes washer and wringer, bag wagon and bag holder, Kentucky rifle, Apothecary's cupboard (some drawers missing), child's metal bathtub, ironware, tin and copper items, three plug tobacco cupboards, scales, strap hinges, two Rapid clothes washers, Grabbing hoe, adze, corcks, Demijohns, bottles, shoe lathes and stands, old wood planes, carpenter augers, cigar molds, buttons and many other articles.

William Bland, Sales Manager

Kersey A. Bradley, Auctioneer

Food available

reports John Akers, district conservationist with the Chambersburg office of the U.S. Soil Conservation Service.

"If you are a farmer, developer, engineer, contractor, planner, gardener, sawmiller or someone who uses the soil or depends on it, the type of soil may have a big impact on how you carry out your work," he comments. Each soil has certain physical properties such as soil depth, type of bedrock, flooding hazard, drainage, seasonal high water table, stoniness, erodibility, corrosiveness to metals and cement, and soil stability.

This soil property on information is in the soil survey report for Franklin County and is available from the Soil Conservation Service or the Penn State Cooperative Extension Service.

With the soil survey information, some predictions can be made about certain land uses such as how well a field crop or garden will yield, how much a tree can be expected to grow in 50 years, or whether a house or building may have foundation problems.



**I'M NOT
LION...**

**The Classified
Livestock
Section
Has Beastly
Selections!**

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

JANUARY

SAT JAN. 2 - 9 A.M. Public Auction of Real Estate, Household Goods and Antiques by Ruth Fasnacht, Ex. of the Wm. Moyer Estate located in the village of Reinholds on Main St., Lancaster County, Pa. Frank and Paul Snyder, Auctioneer

SAT JAN. 2 - 2 P.M. Public Sale of Farm Located 2 miles north of Manheim along Rt. 72, Rapho Twp., Lancaster Co., PA Sale by Michael Gleiberman Rufus Geib, Auctioneer.

SAT. JAN. 2 - 9:30 A.M. Public Sale of Tractors Located from I-81 south of Martinsburg, WV, take exit #5 (Inwood, WV) Rt 51 east approx. 3 1/2 mi. to Larry's Market (formerly Haines) Turn right, 2 of a mi. to sale Or from Charles Town, WV, take Rt 51 west, go approx 8 mi to Larry's Market, turn left, 2 of a mi to sale Miller and Bohrer, Auctioneers

SAT JAN. 2 - 9 A.M. Public Sale of Real Estate, Household Goods and Antiques. Located in the Village of Reinholds on Main St., Lanc Co., PA Ruth Fasnacht, Ex. Frank and Paul Snyder, Auctioneers

SAT. JAN. 2 - 10 A.M. Public Sale of Trucks, Construction Tools and Office Furnishings. Located at Rear 546 West King St., York, PA (at Cedar St.) Frank Kling, Owner. C. David Redding, Auctioneer

SAT. JAN. 2 - 10 A.M. Edwards Farm Complete

Dispersal. Located at Prattsburg, NY Mr. and Mrs. Lawrence Edwards, Owners Pirrung Auctioneers, Inc.

SAT. JAN. 2 - 10 A.M. Complete Farm Dispersal Located on Main St., (Rt. 53) in Prattsburg, 11 mi south of Naples or 11 mi north of Rt 17 exit at Kanona Mr. and Mrs. Lawrence Edwards, Owners Pirrung Auctioneers Inc

SAT. JAN. 2 - 10:00 A.M. Prattsburg, Steuben Co., New York Lawrence Edwards Complete Dairy Herd and Farm Machinery Dispersal Owned by Mr and Mrs Lawrence Edwards Auction conducted by PIRRUNG AUCTIONEERS, Inc. Wayland, N.Y. 716-728-2520

MON JAN 4 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M. Lehman, owner

TUES JAN 5 - 11 A.M. Public Sale of Cattle. Located in Blair County, between Martinsburg and Roaring Spring, off Route 164 at East Sharpsburg, above the red brick church Harry L. and Velma Brubaker, Owners Klings Auction Service.

TUES JAN 5 - 10 A.M. Public Sale of Stoves, Fireplaces and Heaters Located at Dreituss and Company, Inc., Cadwalader and Jenkintown Rds., Elkins Park, PA Wm F. Comly and Son, Inc. Auctioneer

WED. JAN. 6 - 1 P.M. Public Sale of Grocery Store Equipment, Meat

Equipment, Coolers and Etc. Located at 30 S Main St., Muncy, PA (Lycoming County) Fraley Auction Co

THURS JAN 7, 1982, 9:30 A.M. Dispersal of Holstein herd, hi grades & reg, horse drawn farm machinery, work horses Located 3 mi. south of Strasburg. Terms by Gideon B & Katie Stoltzfus, Steve Petersheim, Auctioneer

THURS JAN 7 - 11 A.M. Public Sale of Cattle. Located west of Lancaster on Dairy Rd. Take Rt. 283 west of Lancaster, exit beyond ABC Stud Barns at Flory Mill Rd, turn left after exiting, go to Mill, then sharp right under the railroad bridge Barn is within sight of Rt 283 Mel Kolb Robert Mullendore, Auctioneer

FRI JAN 8 - 5:30 P.M. Gap Auction. Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI JAN 8 - 10 A.M. Tack 9 A.M. Special Horse Sale of Draft Horses, Driving Horses, Saddlebred Driving and Mules at New Holland Sales Stables, Inc 12 miles East of Lancaster, Pa. just off Rt 23, New Holland, Pa Abe Diefenbach, Manager

SAT JAN 9 - 10 A.M. Public Sale of Cars, Trucks and Garage Equipment. Located at 109 Chambersburg St., Gettysburg, PA Ellis L. Smith Estate C David Redding, Auctioneer.

SAT JAN 9 - 1 P.M. Absolute Auction of Hunting Cabin and 40 Acres of Woodland and 2 1/2 Acre Frame House on 1/4 Acre Lot Both located in Lycoming County, Jersey Shore and Waterville area Terms by Charles Sherdy, P.O.A. Randal Kline and Lloyd Kreider, Auctioneers.

SAT JAN. 9 - 11:00 A.M. Atlanta, Steuben Co., New York Auction of Potato farm machinery, shop tools and office equipment for the R.J. Babbitt Estate and Babbitt and Harmon, Inc. Auction conducted by PIRRUNG AUCTIONEERS, Inc. Wayland, N.Y. 716-728-2520

MON JAN 11 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA Melvin M. Lehman, owner

MON and TUES JAN 11 and 12 - Public Sale of Bred Gilt. Located at the Farm Show Bldg., Har-

risburg, PA. Small Arena PA Co-op Swine Breeders Assn Harry Bachman, Auctioneer

MON. JAN. 11 - 1 P.M. Public Sale of Duroc Bred Gilts. Located at the Farm Show Building in the small arena at the PA Farm Show. PA Duroc Breeders Assoc 814-364-9901

TUES JAN. 12 - 5:30 P.M. Farmersville Auction In Farmersville, 3 mi. East of Brownstown, Lancaster County, Pa. John J. Rutt, Auctioneer.

FRI JAN. 15 - 1 P.M. Public Sale of Swine Located at Brooks End and Park Kay Farm, Beavertown, PA. Reno and Park Thomas and Mark Stehr, Owners. Dan Baker, Auctioneer.

FRI JAN. 15 - 5:30 P.M. Gap Auction Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

BROOKS END AND PAR-KAY FARM SIXTY-SECOND ANNUAL WINTER SALE FRIDAY, JAN. 15 1:00 P.M.

At the Farm • Beavertown, Pa.



IRISH BOARS and GILTS of this great Dam will sell. Greenback 3044, one of our foundation Irish Yorkshire Sows.

250 head of SCOTCH & IRISH and other foreign bloodlines • New Bloodlines on Each Sale YORKSHIRE — LANDRACE

Born and raised on our farms from our parent imported stock.

100 ★ BRED GILTS - most of which carry Scotch or Foreign Blood Litters.

50 ★ YORKSHIRE - Many carry Scotch litters.

40 ★ LANDRACE - Many carry Scotch or Foreign Blood Litters.

50 ★ BOARS

30 ★ YORKSHIRE - New Scotch Bloodlines as well as Irish and American Bloodlines.

20 LANDRACE - All 100% SCOTCH, IRISH or other foreign blood.

100 ★ Commercial Open Gilts - Mostly Irish & Scotch blood. Scan-O-Probe Loin Eye & Back fat figures. Production tested - Certified Meat Proven & Show Ring Champion Stocks.

CERTIFIED BRUCELOSIS FREE &
PSEUDORABIES FREE.
Health Charts Sale Day For Entry
Into Any State.

BIG 1981 WINNERS BROOKS END FARM WINS PA. TEST STATION WITH YORKSHIRE BOARS SIRED BY OUR IRISH LARGE WHITE "DANNY"

Feed Conversion	2.32
Daily Gain	2.17
Ham-loin %	64.2
Pen Index	143

PAR-KAY FARMS HAD THE 2nd PLACE PEN OF YORKSHIRE BOARS SIRED BY "WINSTON"

Feed Conversion	2.54
Daily Gain	1.95
Ham-loin %	63.9

This all means more pounds of pork for less pounds of feed. We profit on the sales end and we profit on the cost end.

2 MORE BIG WINNERS IN 1981

Par-Kay Farms had the champion barrow on the rail and Brooks End Farm had the Reserve Champion barrow on the rail at the August Penna. State Yorkshire Show.

Owners:
**RENO & PARK THOMAS
& MARK STEHR**

RENO	PARK	MARK
717-658-5821	717-658-6544	717-658-7007
717-658-7304	717-658-6702	

Catalogs Available
Dan Baker, Lafayette, IN, Auctioneer

SAT JAN 16 6:30 P.M. Antiques and Household Goods. Located along Red Well Rd., 5 mi southeast of New Holland or 3 mi. east of Intercourse, Mahlon M. Weaver Estate, Nevin Z. Martin and Lewis Groff, Auctioneers

SAT. JAN 16 - 10 A.M. Public Sale of Dairy Farm,

FARM AUCTION

175 Head of Beef Cattle
FRIDAY, JANUARY 8
12 Noon Sharp!

Located on the Ralph Bland Farm Between Berlin and Wellersburg, 12 Miles South of Berlin along Rt. 160 across from the White Oak or Twin Churches in Somerset County.

175 Head of Beef Cattle

Consist of Hereford, Angus and Charolais. A large percentage of the Herd are cows and calves with cows bred back. A lot of Feeders various ages. A group of Fat Heifers and several Bull and Heifer Calves. A large Herd to choose whatever your needs may be. Breeding Stock - Feeders or Fat - Cattle for slaughter or freezer needs.

Owners,
MR. & MRS. RALPH BLAND
Box 166, R.D. 4
Meyersdale, PA
814-634-5726

Auctioneers-
Luce & Stahl
814-926-4856

Terms - Cash

Lunch Served

HOLSTEINS AT AUCTION KINGLEA PRODUCTION SALE

At the farm located on Maryland's Eastern Shore, south of Church Hill, 10 miles south of Chestertown and 9 miles north of Centreville, in Queen Anne's Co., Md. Turn west on Clopper Hill Rd. off Route 213 at the Drive-In - farm is 1 1/2 miles on left.

WEDNESDAY, JANUARY 6

11:00 A.M.

67 REGISTERED HOLSTEINS 67

56 Cows - 10 Bred Heifers

1 Service Age Bull

Tested for Interstate Shipment
Checked for Pregnancy

Milk - Milk - Milk

Cows Selling	Dam's Records
5 from 23,000M to 25,640M	7 from 25,000M to 31,760M
9 from 20,000M to 23,000M	23 from 20,000M to 25,000M
24 from 15,000M to 20,000M	4 from 1000F to 1756F
17 from 700F to 956F	38 from 700F to 998F

A number of cows have milked over 100 lbs. Some should be at 100 lbs. or over on sale day.

28 VG and GP cows sell - Many not scored.

11 Females and a bull from EX dams - 16 from VG dams.

Over one-half of those selling are fresh or due from Nov. through Feb.

20 bred back for summer or early fall.

A young group - 35 milking with 1st and 2nd calves, and most of the bred heifers will be fresh or close by sale day.

Pleasing Pedigrees

SIREs include Astronaut, Elevation, Jet Stream, Mars, Conductor, Jerry, Glen Valley Star, Kinglea Total, Betty Chief, Arlinda Commander, Willow Ivanhoe Rockman, Barrett-Ranch Ivan Rockman, Heindel KC Kirk Jupiter, Hilmar Performer Shiwanna SERVICE SIREs include Mars, Sexation, Falcon, Valiant, Dechard Burkgov Posch.

The Bull - A service-age son of Milestone from an EX Elevation with 3 records over 900F - all over 4% test. Next two dams also over 4%. An excellent opportunity to buy plenty of ready milk from cows that can also produce valuable offspring as well.

Terms: Cash. Sale in heated tent. Lunch available.

For catalogs contact:

Owner

JOHN L. (JACK) KING, JR. & FAMILY

Route 1, Box 56
Church Hill Rd., Md. 21623
Phone: (301) 556-6421

Sale Manager
REMSBURG SALE SERVICE
P.O. Box 177
Jefferson, Md 21755
Phone: (301) 473-8214



I'M
NOT
LION...

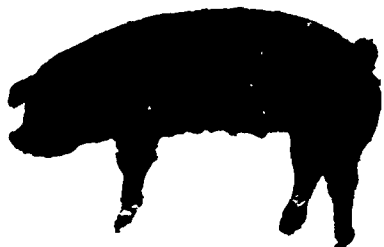
THE CLASSIFIED LIVESTOCK SECTION
HAS BEASTLY SELECTIONS!

PENNSYLVANIA DUROC BREEDERS ASSOCIATION BRED GILT SALE

at the PA Farm Show
Show to be held Sat. Jan. 9 at 8:00 P.M.
Sale to be held Mon. Jan. 11 at 1:00 P.M.

To be held in the small arena
in the Farm Show Building

Selling 50
Duroc
Bred Gilts



For catalog contact:
Kenneth Fetterolf
RD2 Box 131
Centre Hall, PA 16828
814-364-9901

PUBLIC SALE

THURSDAY, JANUARY 7
at 9:00 a.m.

**REGISTERED & HI GRADE
HOLSTEIN DAIRY HERD
MILKING EQUIPMENT
HORSES — HORSE DRAWN
FARM EQUIPMENT — EAR CORN
HOUSEHOLD GOODS — ANTIQUES**

Located 3 miles south of Strasburg in Lancaster County, PA — From Rt. 30 go south on Rt. 896 to Strasburg, go straight thru at light onto May Post Office Road, follow to Weaver Road, turn west on Weaver Road and Watch for signs.

**REAL ESTATE — 53 ACRE DAIRY
& TOBACCO FARM TO BE
SOLD AT 11:30 A.M.**

Improvements thereon consist of large bank barn w/36 comfort stalls and extended heifer barn, 14x60 silo, work shop, tobacco shed, ample gravity water supply, manure pit (3 mo. capacity). Two and a half story frame house with 4 bedrooms, kitchen, 1 1/2 bath and wash house.

2 1/2 story tenant house constructed of frame and stone with walk in basement, 4 bedroom, kitchen, bath and living room. Can be bought with 1/2 acre if preferred.

AUCTIONEER'S NOTE: A quiet community only a few miles from Strasburg and Lancaster, City.

Terms of Real Estate: 10% down day of sale, final settlement 90 days.

51 Head DAIRY HERD 51 Head

38 milk cows, 5 bred heifers, 6 yearlings, 2 calves, 14 Registered, mostly all same prefix, A-M, P-M, DHIA, pedigrees and records announced on sale day, 2 Registered heifers due early January sired by Creek, dam 4.4% fat bred to Gemini, 1 Registered yearling by Superstar, approx 11 cows due Jan. & Feb., approx. 8 fresh Nov. & Dec., balance in all stages of lactation. Records to 20,000 M.; Registered bull - 30 day charts. Pregnancy checked.

Buyers & Speculators - An opportunity to buy foundation cows with size and production from a young program.

MILKING EQUIPMENT

600 gallon Sunset tank direct exp.; Sputnik milk transporter; Dari-Kool 170 gallon Thermo-Stor tank; 3 Bow-Matic 60 lb. milker units, Cal. liner with De-Laval pulsators; Bender milker washer; temperature recorder; stainless steel work table; stainless steel twin tubs; 5 horse water cooled compressor, all in nice condition; Bow-Matic milker pump; 18 h.p. Lombardini diesel, 3 1/2 years old.

FARM MACHINERY

McCormick 2 way plow, steel bottom; Case harrow-cultipacker combination; John Deere disc harrow; 3 section spring tooth harrow; alternated New Idea 20% Manure spreader, 3 years old; New Idea liquid manure spreader by Stoltzfus; McCormick No. 9 mower; N.H. Super 55 hay rake; John Deere 999 corn planter; Oliver boom sprayer with gas engine; flat bed wagon with brakes; round hay feeder; New Holland 66 baler for parts; new lawn gate; lumber; 2 cycle Wisconsin engine; locust posts; 6-5-4-3-2 horse hitches; 275 gallon fuel tank; barn desk; medicine cabinet; medications; wagon load of small items. Approximately 5 ton ear corn; approx. 3 ton peanut hulls in 60 lb. bags. 4 sorrell work horses, 2-9 year olds, well broke, 2 lead horses; Ag star mineral feeder; 3 set heavy harness; collars; bridles; and lines.

HOUSEHOLD ANTIQUES

Iron kettle with handle & tripod; old mantle clock with lion heads; old pendulum shelf clock; old kitchen cabinet w/flour sifter, top only; old kerosene lamp w/brass base; wooden pulleys; snow birds; Model T radiator car temp.; L.L. Smith typewriter; smoke stand; few pieces small furniture; iron door oven front; some old dishes and china plus boxes out of attic.

Terms By:

**GIDEON B. &
KATIE STOLTZFUS**

Auctioneers:
Steve Petersheim, 717 786-4624
Everett Kreider

Pedigrees: Dale Hooper
Attorney: Lehman & Clymer

LUNCH AVAILABLE
A few Wisconsin engines
will be sold on consignment
in working order!

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

MON JAN 18 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

TUES. JAN. 19 - 10 A.M.
Public Sale of Horses and Mules. Located Kingsport Livestock on Highway 11W Kingsport, TN. Billy Cochran, 615-234-3403 or 348-7387.

THURS JAN 21 - Farm Equipment Sale at Horst's Machinery Lot located one mile east of Marion, PA off Rt. 81. Sale Manager, Ralph W. Horst, Marion, PA 17235.

FRI. JAN. 22 - Tack 9 A.M. Special Horse Sale of Draft Horses, Driving Horses, Saddlebred Driving and Mules at New Holland Sales Stables,

Inc. 12 miles East of Lancaster, Pa just off Rt. 23, New Holland, Pa. Abe Dittenbach, Manager.

FRI JAN. 22 5:30 P.M.
Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers.

MON JAN. 25 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

WED JAN 27 - 10 A.M.
Blizzard Date Jan. 29 Agricultural Equip. Co. Annual Winter Sale of New and Used Farm Equipment located at 1207 Telegraph Road, Rt. 273 Rising Sun, Md. Blaine Rentzel Auctioneer.

FRI. JAN. 29 5:30 P.M.
Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers.

SAT JAN 30 - Public Sale of Antiques and Household Goods Located just off Rt. 322 on the rear of Galen's, W. Main St., Ephrata, PA. Ida Mae Kinzer Estate. T. Glenn and Timothy G. Horst, Auctioneers.

SAT JAN 30 - 12 Noon
Registered Holstein Dispersal located at RD#2 Annville, Pa. 4 miles North of Palmyra, Lebanon County Sale by Russel S. Houser Estate. Pedigrees and Auctioneer Carl Diller and Paul Snyder.

SAT JAN. 30 - Public Sale of Farm Machinery, Household Goods and Buggy Located at 400 S. Ramona Rd., Jackson Twp., Lebanon County, PA. Eli and Lizzie Stoltzfus, Owners. Harry Bachman, Auctioneer.

SAT. JAN. 30 - 1 P.M.
Public Sale of Real Estate. Located at 162 Maple St., Gordonville, PA. Sale by Jacob F. and Barbara Ann King. Ira Stoltzfus & Son & Jay Leary, Auctioneers.

FEBRUARY

MON FEB 1 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old

Route 11, Danville, PA. Melvin M. Lehman, owner.

FRI FEB 5 - 10 A.M.
Special Horse Sale of Horses and Mules at New Holland Sales Stables, Inc. 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Dittenbach, Manager.

FRI FEB 5 - 5:30 P.M.
Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers.

SAT FEB 6 - Public Sale of Horses, Feeder Cattle and Farm Equipment Located at 1605 Fonderwhite Rd., So. Leb Twp., Co. PA. Samuel S. Zook, Owner. Earl S. Buttenmeyer, Auctioneer.

MON FEB 8 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

FRI FEB 12 - 10 A.M.
Public Sale of Dairy Cattle, Horses and full line of farm equipment located 4 miles Southeast of Georgetown, 3 miles East of Green Tree from Rt. 896, along Lower Valley Road. Enos B. Stoltzfus, owner. Dittenbach's Auctioneers.

FRI. FEB. 12 - 5:30 P.M.
Gap Auction. Antiques

and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers.

SAT. FEB 13 - Public Sale of Farm Implements, Livestock and Household Goods Located midway between Bowmansville and Fivepointville in Brecknock Twp., Lanc. Co., PA. turn off Rt. 625 at first road south of town, Pleasant Valley Rd., travel 1 mi. turn left on Leid Rd., 1st farm Noah Leid, Owner. LeRoy S. Horst and Paul W. Horst, Auctioneers.

SAT FEB 13 - 1:00 P.M.
Sanborn, Niagara Co. New York Hasely and Son Dispersal of like new potato farm machinery. Located at Sanborn, N.Y. midway between Niagara Falls and Lockport, N.Y. Owned by John J. Hasely and Son. Auction conducted by PIRRUNG AUCTIONEERS, Inc. Wayland, N.Y. 716-728-2520.

MON. FEB 15 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

THURS FEB. 18 - 9:30 A.M.
Public Sale of Horse Drawn Farm Machinery. Located 9 mi. east of Lancaster City, PA. N. Harvest Rd. Terms by Levi S. Stoltzfus. Steve Petersheim, Auctioneer.

THURS. and FRI. FEB. 18 and 19 - Farm Equipment Sale at Horst's Machinery Lot, located one mile east of Marion, PA, off Rt. 81. Sale Manager, Ralph W. Horst, Marion, PA 17235.

FRI. FEB. 19 - 9:30 A.M.
Public Sale of Cattle. Located 4 mi. south of the Bucks, PA in Chestnut Level Terms by Aaron and Emma Stoltzfus. Steve Petersheim, Auctioneer.

FRI. FEB. 19 - 10 A.M.
Special Horse Sale of Horses and Mules at New Holland Sales Stables, Inc. 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Dittenbach, Manager.

SAT. FEB. 20 - 6:30 P.M.
Danville Livestock Market, horse sale located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

SAT FEB. 20 - 11 A.M.
Public Sale of Horses. Located at the Belleville Livestock Market, Belleville, PA. Mark Glick, Auctioneer.

PUBLIC AUCTION

OF REAL ESTATE

**SATURDAY,
JANUARY 30, 1982
At 1 P.M.**

Located at 162 Maple Street, Gordonville, Pa.

Real Estate consists of a 2 1/2 story stone and brick home with a shop and attached garage. First floor is well insulated and includes a large eat-in kitchen by Pequea Wood Working, nicely paneled living room, powder room, and laundry room. Second floor has 4 bedrooms and full bath. This home also has a paneled basement, cold cellar, full attic, 2 cisterns, storm windows and doors, very good roof, and is situated on a large lot.

Terms of sale: 10% down and balance due within 60 days.

Inspection: January 9 or 23, 1982 - all day.

NOTE: Home has been well maintained and is in excellent condition.

Sale by

JACOB F. & BARBARA ANN KING

Attorney:

Wentz & Weaver

Linda Kling

Auctioneers:

Ira Stoltzfus & Son

442-4936 or 442-8254

Jay Leary 354-0423

Not Responsible For Accidents

"List Your Sale Today With

Ira, Dale, or Jay"

HOUSERVUE COMPLETE REGISTERED HOLSTEIN DISPERSAL SAT. JAN. 30, 1982

12:00 NOON

Location: Turn north off Rt. 422 at Railroad St., Palmyra, PA. Travel 4 miles, or coming south on I-81, exit at Indiantown Gap, follow Rt. 22 West, Turn South on Gravel Hill Rd. Watch for Auction Signs.

**65 HEAD, 41 MILKING AGE,
24 HEIFERS, SEVERAL
BRED; BREEDING AGE;
YOUNGER DOWN TO CALVES**

Herd Average: 36.4 cows, 15,018 - 3.7% - 551. 30 day tested, Mostly Vaccinated, Classified Nov. 1981. Included in the sale are 12 Very Goods and 12 Good Plus.

**RUSSEL S. HOUSER ESTATE
R#2 Annville, PA**

Aucts. & Pedigrees

Carl Diller & Paul Snyder

Complete ad Jan. 16 in Lancaster Farming

PENNSYLVANIA ALL BREED BRED GILT SALE JAN. 11-12, 1982

**Farm Show Bldg. Harrisburg, Pa.
Small Arena**

Sale Arena Phone (717)-787-4160

Berkshire:

**Arlie Cornbower
#1 Box 41
New Freedom, PA 17349**

Chester White:

**Charles Griest
Rt. #1
Abbottstown, PA 17301**

Duroc:

**Ken Fetterolf
R. #1 Box 314
Centre Hall, PA 16828**

Hampshire:

**Charles Bomgardner
Annville, PA 17033**

Auctioneer:

HARRY BACHMAN

**138 College Ave., Annville, PA
17003
Tel. 717-867-1809**



Landrace:

**Larry Baum
R33 Box 422
Elizabethtown, PA 17022**

Poland:

**Keith McConnell
Box 46
Volant, PA 16156**

Spotted:

**Clair Hartman
Box 222
Gratz, PA 17030**

Yorkshire:

**Leon Arnold
R#5 Box 705
Lebanon, PA 17042**

**PA. CO-OP
SWINE BREEDERS ASSN.**

**MAY BE REMOVED FOLLOWING SALE
WHEN SETTLEMENT MADE**

Public Sales RegisterClosing Date—Monday, 5:00 P.M.
of each week's publication

SAT. FEB. 20 - 10 M. Public Auction of Full Line of Farm Equipment, Household Goods and Antiques located 4 miles Southeast of New Holland, 3 miles East of Intercourse, along Red Well Road. Terms by Enos N. Weaver. Dittenbach's Auctioneers.

SAT. FEB. 20 - 10 A.M. Public Sale of Farm Equipment, Corn Household Goods and Some Antiques located 5 miles southeast of New Holland, 3 miles east of Intercourse, 1 mile north of Route 340, along Red Well Road. Leacock Twp., Lancaster Co. Penna. From New Holland take (Brimmer Ave.) the New Holland Road south 3 1/2 miles to Peters Road, turn left, then first right at Red Well Road, first farm on left. Near Pequea Mennonite Church. Terms by Enos N. and Mabel W. Weaver, Owners; Dittenbach's Auctioneers.

MON. FEB. 22 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

MON. FEB. 22 - 9:30 A.M. Consignment Sale. Located at S. Race St., Myerstown, Pa. 17067. Sale held by Wengers Farm Machinery, Inc.

WED. FEB. 24 - 9:30 A.M. Public Sale of Farm Machinery and Tractors. Located along Meadow Valley Rd., 1 1/2 miles west of Ephrata and Rothville, Lancaster County, PA. Terms by Edwin Horning, Horst and Rentzel, Auctioneers.

FRI. FEB. 26 - 9:30 A.M. Public Sale of Antique Tractors, Engines, New and Used and Abused Farm Equipment, New Tools and Fruit. Located 10 mi. east of Lancaster, 2 1/2 mi. west of New Holland, turn off of Rt. 23 on S. Groffdale Rd., turn left on Musser School Rd., Lancaster Co., PA. Elias S. Beiler, Robert E. Martin and Son, Auctioneers. 656-7770. Frank L. Steller and Blaine Rentzel.

SAT. FEB. 27 - Public Sale of Farm Equipment. Located 2 1/2 mi. west of Shippensburg, PA off Rt. 533 Arthur Gayman, Ralph W. Horst, Auctioneer.

SAT. FEB. 27 - Public Sale of Farm Equipment, Livestock, Building Materials, Antiques and Household Goods. Located at the Strasburg Fire Co. 8th Annual Public Sale. Elvin Siegrist and Alvin Miller and local auctioneers.

SAT. FEB. 27 - 10:30 A.M. Public Sale of Farm Machinery and Tools. Located approx. 2 1/2 mi. northwest of Stewartstown, York Co., PA off Rt. 24, taking either the Plank Rd. or Rinley Rd. to place of sale. Carroll and

SAT. FEB. 27 - 9:30 A.M. Public Sale of Farm Machinery and Tools. Located approx. 2 1/2 mi. northwest of Stewartstown, York Co., PA off Rt. 24, taking either the Plank Rd. or Rinley Rd. to place of sale. Carroll and

Irene Hunt, Owners. Robert L. Sechrist, Auctioneer.

MON. FEB. 28 - 9:30 A.M. Consignment Sale. Located at S. Race St., Myerstown, Pa. 17067. Sale held by Wengers Farm Machinery, Inc.

MARCH

MON. MAR. 1 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

TUES. MARCH 2 - Public Sale of Farm Equipment, Tools and Household Goods. Located along Cabin Rd., 1/2 mile west of Hinkletown, Aaron S. and Mabel Weaver, Nevin Martin and Lewis Groff, Auctioneers.

TUES. MARCH 2 - Farm Equipment Dispersal for Richard and Mary Gardener, Newburg, PA. R1, 17240, located 1/2 mile Northeast of Blue Mountain Interchange for turnpike along Rt. 997. Ralph W. Horst, Marion, PA, Auctioneer.

WED. MARCH 3 - Public Sale of Farm Machinery and Household Goods. Located one mi. north of Middlesex John Fertenbaugh, Carlisle, PA RD 8 near Middlesex Ralph W. Horst, Auctioneer.

FRI. MARCH 5 - 9 A.M. Public Sale of Machinery. Located at the Belleville Livestock Market, Belleville, PA. Glick, Giboney and Gilligan, Auctioneers.

FRI. MARCH 5 - 10:30 A.M. Public Sale of Horses, Farm Equipment, some Household Goods located 1 mile East of Bartville, 2 miles Southeast of Nine Points along Shady Road, Bart Twp., Lancaster Co., PA. Sale by Mrs. Christ B. (Rebecca S.) King, owner. Dittenbach's Auctioneers.

18th Annual Bart Twp. Fire Co. Sale to be held March 6, 1982. Horse

and Omar Stoltzfus, Auctioneers.

SAT. MARCH 6 - Public Sale of Farm Equipment. Located near Middlesprings, about 1 1/2 mi. northwest of Shippensburg, PA. David Weir, Ralph W. Horst, Auctioneer.

MON. MAR. 8 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

THURS. MARCH 11 - 11 A.M. Public Sale of Holstein Heifers. Located at Guernsey Sales Pavilion, Lancaster, PA. Wilmer G. Kraybill, Sale Manager. John Umble, Lee Kurtz

and Omar Stoltzfus, Auctioneers.

FRI. MARCH 12 - 10 A.M. Tack, Harness, etc. 12:00 Noon Tractor and Horse Drawn Farm Equipment Sale and 7 P.M. Special Horse and Mule Sale at New Holland Sales Stables, Inc., 12 miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa. Abe Dittenbach, Manager.

SAT. MARCH 13 - 8:30 A.M. 14th Annual Gordonville Fire Co. sale at the fire hall. Farm Machinery, Building Materials, Tools, Household Goods, Quilts and Antiques. Local Auctioneers.

MON. MAR. 15 - 2 P.M. Danville Livestock Market, cattle and hog auction. Located Old

Route 11, Danville, PA. Melvin M. Lehman, owner.

MON. MAR. 15 - 9:00 A.M. Cato, Cayuga Co., New York. Cato Farms Complete Liquidation of Potato and General Farm Machinery. Owned by Culbro Corp., New York, N.Y. Auction Conducted by Pirrung Auctioneers, Inc. Wayland, N.Y. 716-728-2520.

SAT. MARCH 20 - 6:30 P.M. Danville Livestock Market, horse sale located Old Route 11, Danville, PA. Melvin M. Lehman, owner.

SAT. MARCH 20 - Public Sale of Farm Equipment. Located near Victor, NJ. Saxby Imp. Co. Annual Sale. Ralph W. Horst and Blaine Rentzel, Auctioneers.

PUBLIC AUCTION

APPROXIMATELY 50 CARS & TRUCKS - GARAGE EQUIPMENT
ELLIS L. SMITH ESTATE

The undersigned, will sell at public auction the following, located at 109 Chambersburg Street, Gettysburg, Pa. on

SATURDAY, JANUARY 9

10:00 A.M.

CARS & TRUCKS

1976 Ford Ranchero; Plymouth Fury - Following all 1975 - Ford Granada; Ford Torino; Plymouth Fury; Chev. Vega; AMC; Chevrolet station wagon; Following all 1974 - Ford Pinto; 2 Plymouth Dusters; Ford station wagon; Chevrolet pick-up; Following 1973's - Mercury stationwagon; Mercury Monterey 2 door; Mustang Mach 1; Mercury Montica 4 door; Chevrolet Caprice Estate stationwagon; Ford Country Sedan stationwagon; Chevrolet Vega; Ford Pinto; Ford Maverick 2 door; Chrysler New Yorker; Ford Gran Torino stationwagon; Following 1972's - Chevrolet Vega; Ford Torino 4 door; Ford stationwagon; Chevrolet Vega stationwagon; Following 1971's - Chevrolet Impala 2 door; Plymouth Cricket; Chevrolet Van; Mercury stationwagon; Ford stationwagon; Jeep tow truck; Following 1970's - Ford Torino 4 door; Ford stationwagon; Following 1969's - Ford Torino 4 door; Pontiac 4 door; Ford Galaxie 500 2 door; Chevrolet pick-up; International dual wheel van 12,000 lb. gross; Ford 2 door; Ford Country Squire stationwagon; 1968 Chevrolet truck w/power tail gate 19,000 lb. gross; 1967 Pontiac Convertible; Following 1966's - Ford Fairlane 4 door; Ford Country Squire stationwagon; Studebaker Sedan; Ford stationwagon; Oldsmobile Toronado; 1965 Chevrolet Corvair; 1965 Cadillac Sedan; 1961 Cadillac Fleetwood w/air condition; 1958 Ford Ranchero; 1957 Studebaker Sedan; 1957 Ford stationwagon.

AUCTIONEER'S NOTE - Most of above cars have auto trans., few 4 speed & 3 speed. Some cars may be sold prior to sale day. **CAR SALE WILL START AT 12:00 NOON.**

GARAGE EQUIP. & MISC.

Large stationary air compressor w/1 1/2 h.p. motor; Bishman air tire changer; Micro bubble wheel balancer; Vulcan 2 ton end lift air jack; Riverside 12 volt, 10 amp. charger w/50 amp. start; heavy duty chain hoist (hand); Thor pressure paint sprayer; hand hyd. bumper jack; inspection equipment & brake tools; Skipper 6" bench grinder; air sander; 1/2" drill; lot jack stands; air line pressure regulator; electric polisher; air grease gun; gear oil drums & dispensers; paint sprayer; small propane tank & torch; air tank; lot air hose; 6 & 12 volt charge; Auto-lite parts cabinet; 4 fire extinguishers; lot used car chains; lot trailer hitches; lot bumper jacks; drum 90 wt. gear oil; approx. 40 gal. 20 wt. oil w/drum & pump; approx. 30 gal. Zep gunk; small barrel car polish; battery acid; barrel pumps; bolt cutters; clamps; 3/4" drive ratchet; slam pullers; 3/8" impact air wrench; wheel puller; tow bar; oil pans; large wrenches; creepers; various car radios & tape players; tool boxes; approx. 220 various hub caps (some sets & some spinners); lot misc. hand tools; lot misc. car items - bulbs, wiper blades, gaskets, etc.; lot various size used tires; Sharpe ER-2510 electronic register w/check printer; Westinghouse ref.; other ref's; 5 ft. wood stepladder; many other items.

TERMS - CASH OR GOOD CHECK
Refreshment Rights Reserved

ELLIS L. SMITH ESTATE

Robert J. Dayhoff,

Executor

Ph: 717-334-4489

C. David Redding, Auctioneer

RD#6 - Gettysburg

Ph: 717-334-6941

DAIRY HERD DISPERSAL

TUESDAY, JANUARY 5, 1982

11:00 A.M.

Located in Blair County, between Martinsburg and Roaring Spring, off route 164 at East Sharpsburg, above the red brick church:

55 HEAD HOLSTEINS 55

Consisting of 33 mature cows and 1st Calf heifers in different Stages of lactation.

16 of these are milking with First Calf; 10 Bred Heifers; 6 Open Heifers; 5 Calves. Approx. 10 are Registered. (Hb. Gay, Performer) Several will be fresh by sale date.

DHIA RECORDS - Herd Average 16,956m 3.8% 637f Certified & Accredited - All artificially sired & Bred by Atlantic Sires.

Records to over 20,000 M 800 F.

A Top Young Herd - Lots of Potential:

Catalogs at * Sale Held in Ringside Heated Tent

Also Selling: Surge Stainless Steel Pipeline Milker for 30 Cows - 3 Units - Milk Meter. Approx. 2000 Bales 1st & 2nd Cutting Alfalfa. 200 Tons of Corn Silage.

Lunch Stand.

HARRY L. & VELMA BRUBAKER,

Owners

R.D. 1 Roaring Spring, PA
814-224-2383

Sale by: Kling's Auction Service
Landisburg, Pa.

717-789-3883
Fred Naugle, Pedigrees

PENNA. HOLSTEIN HEIFER SALE

FOR WORLD RELIEF

MARCH 11, 1982

Guernsey Sales Pavilion, Lancaster, PA.

Plans are being made for the second annual sale of donated Holstein heifers, (or any breed), bred or open, or calves five months or older, also accepted are hay, straw, grain, etc.
All sales proceeds will be donated to the Mennonite Central Committee, Akron, Pa. to help feed and clothe the hungry and needy of the world.

Plan now to support this worthy program

Heifer sale 11 A.M. -- Hay Sale 10 A.M.
For information call

Auctioneers

John Umble
RD1 Atglen, Pa. 19310
215-593-5756

Lee Kurtz
215-593-5387

Omar Stoltzfus
717-529-6301

Pedigrees
Dale Hoover
717-867-2489

Kenneth Beiler
Eldon Crider
Durrel Delp
Earl Fuhrman
Joe Fisher
John M. Harnish
Jason Hertzler
Clyde Martin
Harold Shellenberger
Kore J. Sharp

215-593-6434
717-597-3977
215-723-1565
717-637-9593
717-687-7566
717-464-3752
717-437-2139
215-445-6008
717-653-5663
717-667-3107

Sale Manager

Wilmer G. Kraybill, R.D.3 Box 17, Elverson, Pa. 19520, PH 215-286-9576

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

SAT. MARCH 20 - 10 A.M.
P.M. Sale of Modern
Farm Equipment. Located
off Rt. 283 at the Salunga
Exit, go south on Prospect
Rd. to Eby Chiques Rd.,
RD 3, Mt. Joy, Pa. For
Minnie V. Gantz. C.H.
Wolgemuth, Auctioneer.

MON. MAR. 22 - 2 P.M.
Danville Livestock
Market, cattle and hog

**DEALER IN ALL KINDS
OF LIVESTOCK**
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
Ph: 717-786-3016

PUBLIC SALE

THURS. EVE, JANUARY 7

For the balance of merchandise for
Samuel Netzley in Schaefferstown, Leb.
Co.

Apple peeler, cherry seeder, Edison
Phonograph, Kero. lights & lanterns, candle
holders, butcher ladles, beam scale, wooden
box, cigar mold & cutter boards, asst. hand
tools, new bolts & other asst. collectables.

Sale time 4:30 P.M.

SAMUEL NETZLEY

Aucts. Weik & Habecker
Clerks-Hoover & Ogurcak
Lunch

auction Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

MON. MARCH 22 - Annual
Consignment Auction of
Farm Equipment by M.M.
Weaver & Sons, Inc. N.
Groffdale Road, Leola, Pa.
John E. and Paul E. Mar-
tin, Auctioneers.

WED. MARCH 24 - Public
Sale of Farm Machinery
Located on Rt. 2,
Lebanon, PA. Albert
Moyer, Owner. Harry
Bachman, Auctioneer.

THURS. and FRI. MARCH
25 and 26 - Farm
Equipment Sale at Horst's
Machinery Lot, located
one mile east of Marion,
PA. off Rt. 81. Sale
Manager, Ralph W. Horst,
Marion, PA 17235.

SAT. MARCH 27 - Steve
Gallant Potato Farms
Complete Dispersal,
Sweden Township, Potter
Co., PA. Sale by Pirrung's,
Wayland, NY or Ulysses,
PA. 814-848-7421

SALE EVERY TUESDAY

Graded Sale
1st Tuesday each
month
2 P.M.

Horse Auction
2nd Saturday each
month
1 P.M.

**FAUQUIER
LIVESTOCK
EXCHANGE**

Marshall, Va.
703-364-1566

SAT. MARCH 27 Auction
of 32 acre Farm and All
Equipment and Personal
Property along Orchard
Rd. in Brecknock Twp.,
Lancaster County Terms
by Silas and Alice Good
Randal Kline, Lloyd
Kreider and Roy Good,
Auctioneers

MON. MAR. 29 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner

APRIL

THURS. APRIL 1, 9:00
A.M. Cohocton, Steuben
Co., New York Pirrung's
Once a Year Auction of
Farmer Owned Machinery
consigned by farmers!
400-500 pieces of all farm
machinery consigned by
farmers! **PIRRUNG
AUCTIONEERS, Inc.**
Wayland, N.Y. 716-728-
2520.

FRI. APR. 2 - 10 A.M.
Special Horse Sale of
Horses and Mules at New
Holland Sales Stables,
Inc. 12 miles East of Lan-
caster, Pa. just off Rt. 23,
New Holland, Pa. Abe
Difffenbach, Manager.

SAT. APRIL 3 - Estate of
Richard L. Sarginger
Potato Equipment Disper-
sal, Sweden Township,
Potter Co., PA. Sale by
Pirrung's, Wayland, NY or
Ulysses, PA.
814-848-7421

MON. APR. 5 - 2 P.M. Dan-
ville Livestock Market,
cattle and hog auction.
Located Old Route 11,
Danville, PA. Melvin M.
Lehman, owner.

SAT. APRIL 10 - 9:30 A.M.
Public Sale of Farm Equip-
ment, Tools and Etc.
Located 4 miles west of
Manheim, PA, 10 min.
from Rt. 283, Lancaster
Co., PA. C.H. Wolgemuth
and Sons Annual All Day
Consignment Sale.

MON. APR. 12 - 2
P.M. Danville
Livestock Market, cattle
and hog auction. Located
Old Route 11, Danville,
PA. Melvin M. Lehman,
owner.

SAT. APRIL 17 - 6:30 P.M.
Danville Livestock
Market, horse sale
located Old Route 11,
Danville, PA. Melvin M.
Lehman, owner.

MON. APR. 19 - 2
P.M. Danville Livestock
Market, cattle and hog

auction Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner

FRI. APR. 23 10 A.M.
Special Horse Sale of
Horses and Mules at New
Holland Sales Stables,
Inc. 12 miles East of
Lancaster, Pa. just off Rt.
23, New Holland, Pa. Abe
Difffenbach, Manager.

SAT. APRIL 24 - 16th Col-
onial Charolais Spring
Sale, at the Farmers
Livestock Exchange, Win-
chester, VA. Sponsored
by the Colonial Charolais
Assoc. Sale managed by
Buzz Garey, 100 Walnut
Lane, Morrisville, PA
19067.

MON. APR. 26 - 2
P.M. Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

MAY

MON. MAY 3 - 2 P.M. Dan-
ville Livestock Market,
cattle and hog auction.
Located Old Route 11,
Danville, PA. Melvin M.
Lehman, owner.

MON. MAY 10 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

FRI. MAY 14 - 10 A.M.
Special Horse Sale of
Horses and Mules at New
Holland Sales Stables,
Inc. 12 miles East of
Lancaster, Pa. just off Rt.
23, New Holland, Pa. Abe
Difffenbach, Manager.

SAT. MAY 15 - 6:30 P.M.
Danville Livestock
Market, horse sale
located Old Route 11,
Danville, PA. Melvin M.
Lehman, owner.

MON. MAY 17 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville,
PA. Melvin M. Lehman,
owner.

SAT. MAY 22 - 10 A.M.
Grade Heifer Sale at the
New Holland Sales
Stables, Inc., 12 miles
East of Lancaster, Pa. just
off Rt. 23, New Holland,
Pa. Abe Difffenbach,
Manager.

MON. MAY 24 - 2 P.M.
Danville Livestock
Market, cattle and hog

Lancaster Farming, Saturday, January 2, 1982-B35

NOTICE

To assure that your
Public Sale appears
in the Public Sale
Section we must
have your ad-
vertisement by 4
P.M. Tuesday of each
week's publication.

MON. JUNE 14 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

SAT. JUNE 19 - 6:30 P.M.
Danville Livestock
Market, horse sale
located Old Route 11,
Danville, PA. Melvin M.
Lehman, owner.

MON. JUNE 21 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

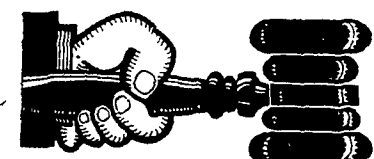
MON. JUNE 28 - 2 P.M.
Danville Livestock
Market, cattle and hog ac-
tion. Located Old Route
11, Danville, PA. Melvin
M. Lehman, owner

JUNE

SAT. JUNE 5 - 10 A.M.
Special Purebred Heifer
Sale at New Holland Sales
Stables, Inc., 12 Miles
East of Lancaster, Pa. just
off Rt. 23, New Holland,
Pa. Abe Difffenbach,
Manager.

MON. JUNE 7 - 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

SAT. JUNE 12 - 1982 -
Colonial Invitational Sale
hosted by Brattan
Charolais Farm,
McVeytown, PA and spon-
sored by the Colonial
Charolais Association
Sale managed by Buzz
Garey, 100 Walnut Lane,
Morrisville, PA 19067.



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PA
AUCTIONEER
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**COMPLETE
AUCTION SERVICE
CALL
717-665-5664**

MEL KOLB, INC.



Is Having A
**SPECIAL
COW SALE**

to start the New Year!
THURSDAY, JANUARY 7, 1982
11:00 a.m.

New Year
Resolution

Attend Mel
Kolb's Sales
every month
of 1982 for
choice Holsteins



**HAPPY
NEW
YEAR**

LOCATION: West of Lancaster on Dairy
Road. Take Route 283 west of Lan-
caster, exit beyond ABC Stud Barns at
Flory Mill Road; turn left after exiting,
go to Mill, then sharp right under the
road bridge. Barn is within sight of
Route 283.

150-HIGHEST QUALITY HOLSTEINS-150

This Sale will consist of 50 Purebreds, many with D.H.I.A. Records and
good classifications. There will also be 100 head of grade cows and heifers.
There will be one trailer load from northern Wisconsin, from the country
where cows really milk. We tried to pick the best cows from the better
herds. There will be one load of fancy young Maine cows and heifers of the
right quality, and one load of New Hampshire cows, production plus type.
Also, one load of big raw bone New York State cows, that look like 100 lb.
cows. And, there will be a load of good northern Pa. cows and heifers (the
best that walk!).

SPECIAL MENTIONS:

A fancy 5 yr. old **ROUND OAK RAG APPLE ELEVATION** dau. never
scored, should go VG 87 or 88 points, bred to **GH-TEX B MILKMASTER-**
WIN, PD +232 +1834M +00% +67B +39 dtrs. 13H 21,253M 3.7 785F, her
record as 4-4 365d 25,183m 3.6 912t, her dam **GP-82, a PENSTATE**
IVANHOE STAR dau., as 5-02 305d 15,450m 477t, next dam **GP-82, as 3-10**
305d 16,350m 4.1 665f, next dam **VG-85 as 4-01 305d 16,360m 3.5 574t. A ROY-**
MC PROUD PAWNEE dau., GP, 2-11 305d 17,120m 3.8 654t, dam's record
20,440m and 688t. Also, several other good cows not mentioned in this ad.
FARMERS, start the new year out right, if you need good cows or heifers,
attend this Sale, and see quality plus quantity! Several heifer calves from
these good cows will also be sold. Plus, a few good service age bulls.

FREE LUNCH FOR ALL DAIRY FARMERS

FREE TRANSPORTATION FOR LANC. CO. AMISH

Call 569-2106 or 569-6800 to arrange for a ride to the Sale.

Thank you,
MEL KOLB

ROBERT MULLENDRE, Auctioneer
HENRY KETTERING, Pedigrees
MARVIN ESHLEMAN, Clerk
PA Farm - 717-569-6800 or 569-2106
MD Farm - 301-898-7720

**WE WANT TO WISH EVERYONE A HAPPY
AND PROSPEROUS NEW YEAR!**

SPECIAL HORSE SALE DRAFT HORSES, MULES & DRIVING HORSES

FRIDAY, JANUARY 8th
Tack 9:00 A.M.
Sale 10:00 A.M.
**AT NEW HOLLAND
SALES STABLES, INC.**

12 Miles East of Lan-
caster, Pa. just off Rt. 23,
New Holland, Pa.

2 Loads Draft Horses, Mules and Driving
Horses consigned by Ward Wright.

1 Load Draft and Driving Horses consigned by
Bud Leonard.

1 Load Standardbred Driving Horses consigned
by Jonas Beiler.

1 Load Saddlebred Driving Horses consigned
by Don Boring.

1 Load Standardbred Driving Horses consigned
by Clayton Waterbury.

1 Load Standardbred Driving Horses consigned
by Reuben G. Stoltzfus.

1 Load Saddlebred Driving Horses consigned
by Ben King.

1 Load Draft & Driving Horses consigned by
Chap Stealman.

1 Load Draft Horses consigned by Christ
Smucker.

1 load Draft Horses and Mules consigned by
Norman Kolb.

1 load of Draft Horses consigned by Steve
Meadows.

Plus many more consignments.

For more information contact:
Abe Difffenbach, Mgr. **Norman Kolb**
717-354-4341 717-397-5538
Next Horse Sale, Friday, Jan. 22, 1982



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AUCTIONEER
717 786 3394

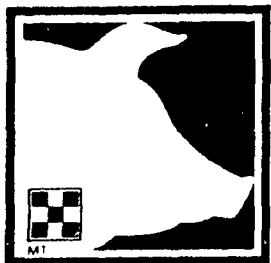
PUBLIC AUCTION

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• REAL ESTATE • LIVESTOCK •
MACHINERY

• MAILING LIST AVAILABLE
We are now listing Fall Sales.



GO FOR MORE

with

Purina Hi Octane Hog Chow and

Kleen Leen Checker™ Boars and Gilts



• MORE INCOME POTENTIAL -

It takes more to make money in the hog business these days. More genetic potential, better feeding programs, and more in the way of smart management. Discover how Purina and Kleen Leen can improve your hog income through faster daily gains, larger litters, improved feed conversions and better carcass quality.

• MORE GENETIC CHOICES -

What specific traits would you like to improve? Kleen Leen offers 7 different breeds of Checker™ brand boars to strengthen different specific traits. Use them in combination with high performance Checker™ brand gilts for a double dose of genetic improvement. Kleen Leen's exclusive genetic potential rating (G.P.R.®) system accurately measures the heritable traits that affect your income. Because it evaluates true genetic potential before you buy, it lets you purchase the Checker™ Boar that's the best value for you. Checker™ Boars are available in 7 different G.P.R.® levels ranging from 80 to 140 G.P.R. points. Even the lowest level is capable of improving nearly any herd in the nation.

• MORE HEALTH -

Regardless of which Checker™ Boar or Gilt you select, you'll receive the benefit of the Kleen Leen Health Program, the most complete program of its kind.

It helps assure that animals will arrive on your farm free of specified infectious diseases. We have enough confidence in it to offer the strongest written warranty in the industry today.

• MORE KNOW-HOW AND COMMITMENT -

A little more than 70 years ago, Purina began providing specialized products, total management programs and professional guidance for hog producers. Today, Purina is the only national feed company which offers hog chow rations, health products, Kleen Leen breeding stock, and professional expertise in research, nutrition, management, marketing and sanitation.

Your dealer can help you with more phases of your hog operation than anyone else.

It all adds up to an unequalled commitment to your success using the tremendous combined resources of Purina and Kleen Leen.

Look at the performance records that Dan & Amy Buttorff of New Park, Pa. have seen using the Purina Hi-Octane Hog Chow program and Kleen Leen Checker™ Boars and Gilts

Conception Rate	92%
Pigs Farrowed Alive	10.3
Pigs Weaned	9.9
Average 18 Day Weight	12.2 Lbs.
Weight at 8½ Weeks	45 Lbs.
Average Sold/Litter	9.8
% Yield on Market Hogs	75.3
Pigs Marketed/Crate/Year	127.4

39 Week Period

GO FOR MORE. TALK TO YOUR PURINA DEALER TODAY.

I Would Like More Info On:
Fattening Program Farrow to 50 Program
KLEENLEEN Breeding Stock

Mail to: **PURINA**
Box 366 S
Lititz, PA 17543

NAME _____
ADDRESS _____
CITY _____
STATE _____ ZIP _____
PHONE _____

HESS MILLS
PHONE 717-442-4183
717-768 3301
PARADISE PA 17562

HIGH BROS.
PHONE 717-354-0301
GORDONVILLE, PA 17529

K & K FEED, INC.
PHONE 717 866-2324
23 N PARK ST RICHLAND PA 17087

UMBERGER'S MILL
PHONE 717-867-5161
FONTANA, PA 17042

KEYSTONE MILLS
John B. Kurtz
PHONE 717-354-4616 717-738 1088
RD3, EPHRATA, PA 17522

**MCCRACKEN'S
FEED MILL, INC.**
PHONE 717 665 2186

**WEST WILLOW
FARMERS ASSN., INC.**
PHONE 717-464-3386
WEST WILLOW, PA 17583

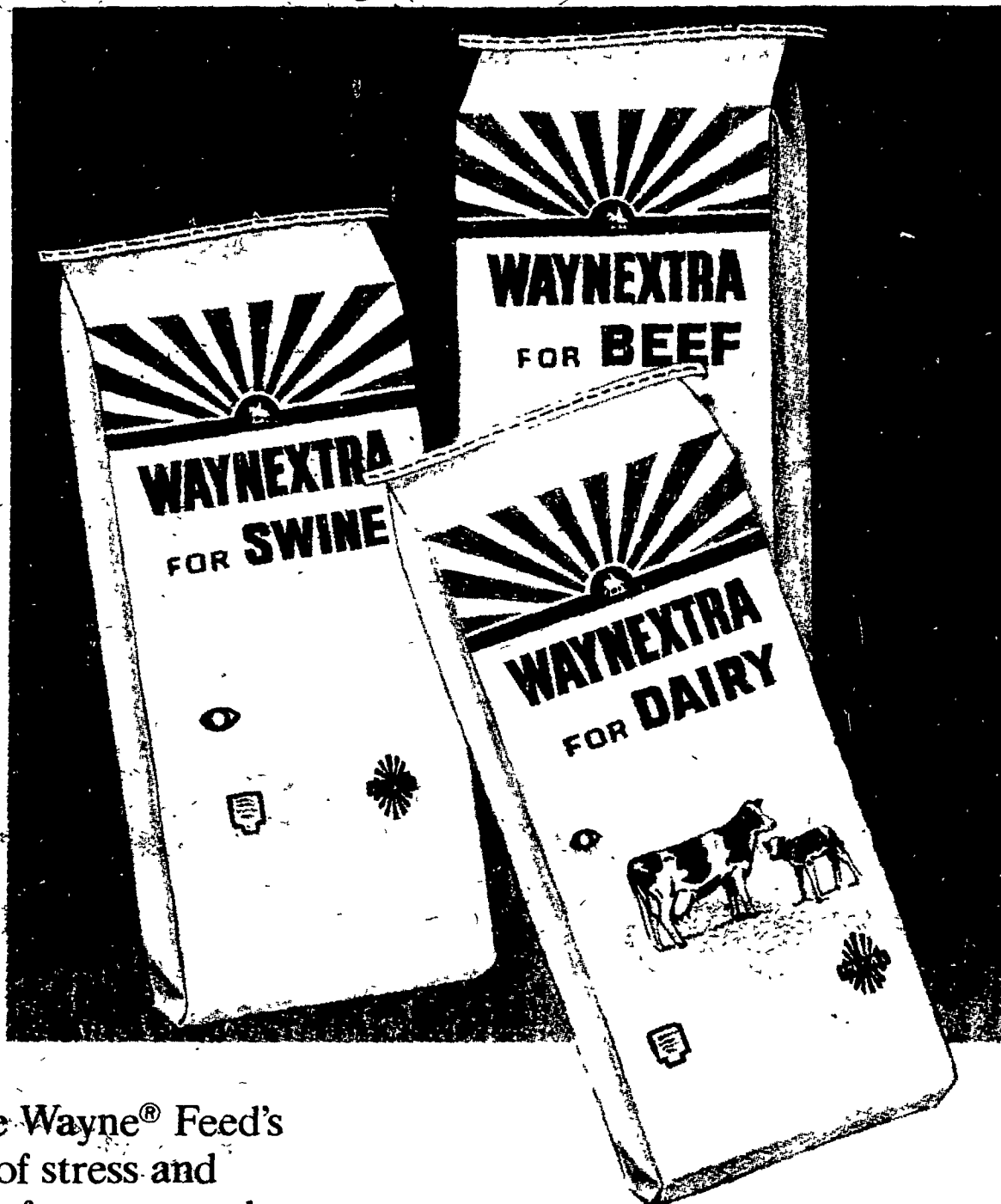
SOUTHERN DIVISION
West Willow Farmers Assoc., Inc.
PHONE 717-529-2113
RTE 472 AT UNION, PA
RD 1, OXFORD, PA 19363

M. G. HENNINGER & SON, INC.
PHONE 717-362-3333
BERRYSBURG, PA 17005

Anthony's Feed Mill
PHONE 215-488 6211
STRAUSTOWN, PA 19559

FAWN MILLS
PHONE 717-382 4805
FAWN GROVE PA 17321

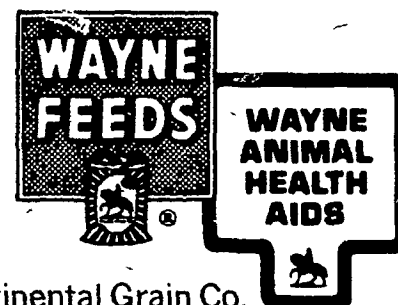
For more rapid response during and after stress, feed Waynextras.TM



Waynextras are Wayne® Feed's complete line of stress and disease fighters for your cattle and hogs. They are fortified with vitamins, trace minerals and chelated proteinates... plus proven antibacterial agents.

During times of stress, it's not practical or economical to formulate feeds to combat every potential threat. Waynextras provide the EXTRA nutrition and antibiotics your animals need.

So when faced with stress, and disease, think first of Waynextras.



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Chicago, IL 60606

PARTICIPATING DEALERS

MOYER & SON, INC.

113 E. Reliance Road
Souderton, PA 18964 215-723-6001

WALKER CO.

Gap, PA 717-442-4169

MANOR FARM SERVICE

RD 2, Lancaster, PA 717-872-4613

BRANDT'S MILL

830 Maple Street
Lebanon, PA 17042 717-272-6781

POWL'S FEED SERVICE

Peach Bottom, PA 717-548-2376

ANDERSON BROS.

New Park, PA 17352 717-382-4472

W. L. MUMMERT CO.

High & Pine Streets
Hanover, PA 17331 717-637-6923

WHITE OAK MILL

R5, Manheim, PA 17545 717-665-2288

NOLTS MILL

Witmer, PA 17585 717-393-1369

JAMES BALMER

Wholesale Specialty Feed Distributor
Manheim, PA 717-665-2011

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Lenhartsville, PA 19534 215-756-6375

VAN - MAR FEEDS, INC.

West on Miller St
Shoemakersville, PA 215-926-2121

BATZ FEED & SUPPLY

R1, Richland, PA 17087 717-933-8168

DUTCHMAN FEED MILL, INC.

R1, Stevens, PA 717-733-3020

Farm Business News

No-till is highest in Pa., Md.

DeKALB, IL. — Pennsylvania and Maryland are among the states with the greatest number of farmers following no-till practices, according to a survey conducted by DeKalb AgResearch, Inc.

The highest percentages of farmers practicing no-till who responded to our survey were in the states of Maryland, Pennsylvania and Kentucky, Wayne Fowler, Agronomic Education Director for DeKalb, said.

"In these states, the soil and topography have almost forced the adoption of this soil and moisture conserving system," Fowler said.

In a comparison of soil tillage practices today with five years ago, more than half of the 1500 respondents are tilling the soil less, while 44 percent have not changed. States where over half the respondents have cut back on tillage include Iowa, Wisconsin, Michigan, Indiana and Illinois — the very heart of the Corn Belt.

Surprisingly, four percent of all respondents are doing more tillage in preparation for corn than they were five years ago.

The tendency to till more instead of less was scattered, but was stronger in the western Corn Belt — Minnesota, Nebraska and

Missouri. Even in those states, five to six farmers were tilling less for every one who said he was tilling more.

The biggest change found in the survey is that less disking, field cultivating and other secondary tillage is taking place just ahead of planting. When farmers started looking for ways to cut fuel use and found that their modern corn planters worked just as well in soil that was not as fine and smooth as a garden, extra spring tillage was eliminated.

Research had already shown that high quality fungicide-treated seed of modern corn hybrids enabled stand establishment that led to equal or better yields without all those spring passes to form a "fine, firm, well-prepared seed-bed."

By definition, no-till includes planting directly through a growing or chemically-killed crop or through the residue of a previous crop with no plowing and little or no prior tillage of any sort. Eleven percent of the responding crop reporters planted 41 percent of their 1981 corn acreage no-till. Very few "no-till" farmers planted their entire acreage no-till.

New Holland announces self-propelled baler

NEW HOLLAND — The new Model 1426 Haycruiser baler from Sperry New Holland combines the fast transport and easy maneuverability of self-propelled design with the large-capacity, heavy-duty baling ability of the pull-type Model 425.

Diesel power is standard for the new "1426." The larger daily baling capacity of the "1426" is the result of integrated design, very ample power and ease of operation. In addition to reliability, the new SP unit offers improved operator comfort that reduces fatigue to help make long days seem shorter. A new instrument panel and improved serviceability add to its value and daily work capacity.

Like the pull-type Model 425, the new Model 1426 features gentle hay

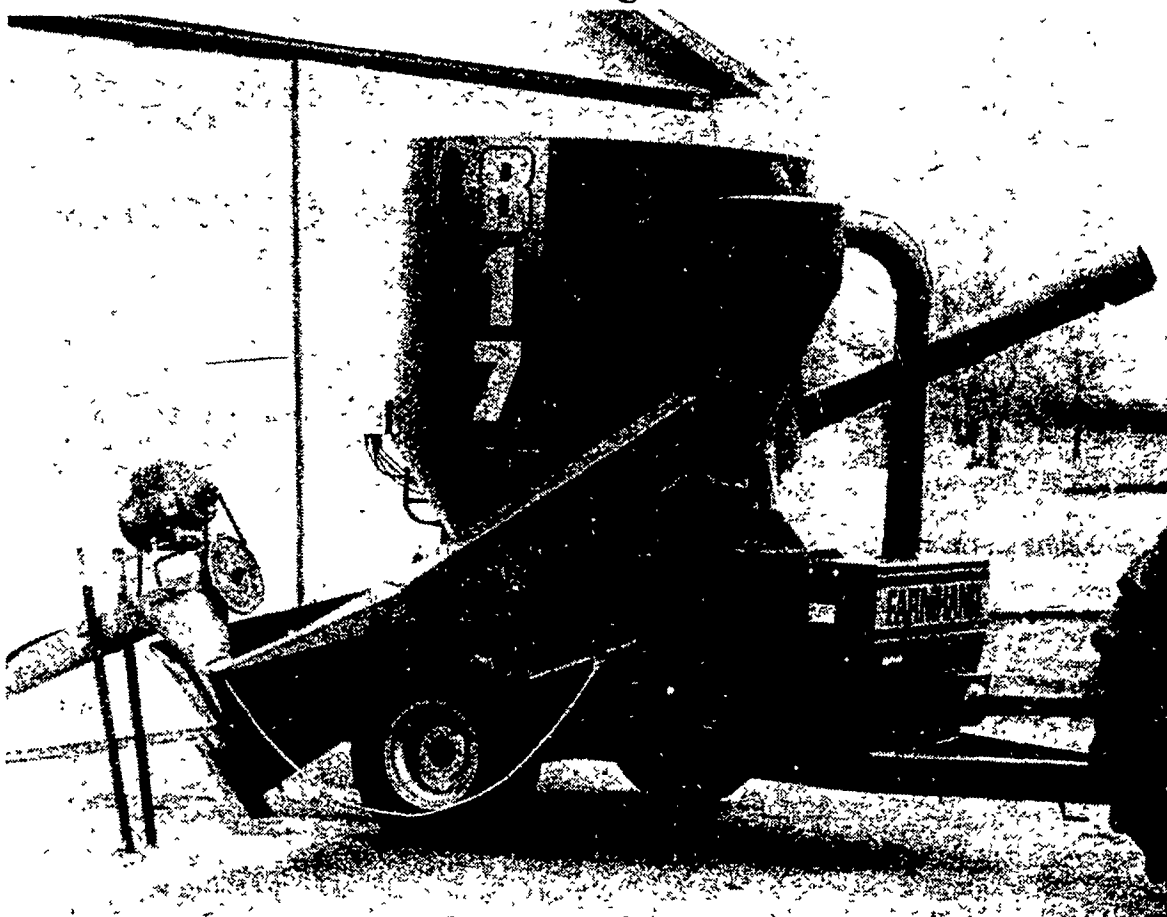
handling through the use of the closely-spaced tines on the Super-Sweep pickup and the Flow-Action feeder. Bale shape and density control are assured by the use of an adjustable feeder back and a series of hay restrictor doors in the sides of the bale chamber that serve as auxiliaries to the upper and lower tension rails. Bale uniformity of the new "1426" helps reduce problems where the machine is teamed with large-capacity automatic bale handling equipment.

Powered by a 76 HP Perkins diesel water-cooled engine, the "1426" is available in twine or wire tie. Cabs are standard. Windshield wipers and air conditioners are available as options. Both diamond tread and cleat-type flotation tires are available.



A new self-propelled baler, the Model 1426, from Sperry New Holland is available in either twine or wire-tie versions. Diesel power is standard.

New Farmhand grinder mixer



With the introduction of its new hydraulic 100-bushel Model 817, Farmhand Inc. has restyled its entire grinder mixer line. The 817 hydraulic has the features and performance needed for efficient, profitable grinding and mixing. Auger speed on the drop feeder is infinitely variable from 0 to 200 R.P.M., and

simple orbit motors operate the augers. Optional equipment includes an electronic scale, feedroll, bagger attachment and three additional discharge auger extensions. Farmhand manufactures grinder mixers ranging from 82 bushels to 120 bushel capacity.

Ciba-Geigy offers bulk system

GREENSBORO, N.C. — A bulk handling system for corn growers called Farm-Pak, which can be used with Bicep, Dual, AAtrex, and Princep herbicides, will offer a number of significant advantages, including price savings, according to Ciba-Geigy Corporation.

The system, which can be individualized to grower specifications, by farm supply dealers who offer it, uses a mobile or stationary refillable tank with a pump and meter. Instead of opening and pouring jugs, cans or bags, growers simply meter the herbicide from their Farm-Pak tank into the sprayer. Water or liquid fertilizer can be pumped in at the same time.

Ciba-Geigy, which is pioneering the Farm-Pak system, says it offers growers less waste, greater efficiency, fewer safety problems, more loads per day, better control

in measuring and no disposal problems. Growers may buy or lease Farm-Pak systems from their dealers. Depending on the equipment a grower has, the system will cost from \$700-\$1200.

Pending at EPA is a label expansion that would permit use of Dual, alone and in tank mixes with AAtrex, Princep or both for sweet corn and popcorn. Label ac-

ceptance is anticipated for the 1982 season.

In other developments, three weeds were added to the Bicep label in 1981 — galinsoga, black nightshade and hairy nightshade. In addition, aerial applications of Bicep were approved for preplant-incorporated, preemergence and postemergence applications to corn.

Massey improves '800' combines

DES MOINES, IA. — New features have been added to Massey-Ferguson's 800 Series combines to increase machine performance, make servicing easier and further improve operator comfort.

The 800 Series line includes the MF 860 and MF 850 self-propelled models and the MF 851 pull-type combine.

The optional V-8 engine in the top-of-the-line MF 860 has been increased from 168 h.p. to 182 h.p.

Sound suppression has been increased for greater operator comfort with additional insulation in both the cab and engine compartment. To further reduce noise level at the operator's position, the hydraulic steering pump has been moved from inside the beneath the cab.

Operator convenience on both self-propelled combines is enhanced with a 90-gallon fuel tank. For easy filling, the fuel port is on the tank's top left side.

Air cleaner servicing has also been improved by addition of an exhaust-aspirated pre-cleaner which reduces frequency of, and speeds up, required maintenance.

For cool weather operation, an overhead cab heater is standard equipment. The interior cab color has been changed from black to brown.

For added operator convenience and efficiency, two floodlights have been added on the self-propelled models. One is on the skirt below the cab to illuminate the ground behind the header; the other is on the handrail below the left-hand mirror.

Nitterhouse acquiring Sollenberger

CHAMBERSBURG — Nitterhouse Concrete Products, Inc., of Chambersburg, is acquiring the Silo and Farm Products Division of Sollenberger Silos, Inc., of 5790 Sunset Pike, Chambersburg.

The acquisition is effective on Monday.

The newly-formed unit will be called Sollenberger Silos Corporation.

Under the new corporation, plans call for the continuation of silo construction and promotion of the existing line of agri-products. The Sollenberger line includes feed bunks and poured monolithic upright silos, both conventional and oxygen-limiting. Also, it includes the Jamesway line of equipment.

Nitterhouse, manufacturer of precast architectural concrete and masonry units, has a farm product line, including hog flats, feed bunks and a pre-cast silo section for trench silo or manure pits.

Nitterhouse has been in operation in Chambersburg since 1923.



New features have been added to Massey-Ferguson's 800 Series combines. The 800 Series line includes the MF 860 and MF 850 self-propelled models and the MF 851 pull-type combine.

East Coast's largest vegetable conference coming Jan. 19

NEW BRUNSWICK, N.J. — Increases in farm productivity, the future of the tomato industry in New Jersey, farmland preservation, and a close look at a new planting technique called "fluid drilling" are all on the program of the statewide annual vegetable meetings and direct marketing conference set for Jan. 19-21 in Atlantic City's Resorts International Hotel-Casino.

Sponsored by the State Cooperative Extension Service of Rutgers University's Cook College, the event is the largest of its type on the East Coast. This year it is expected to attract more than 1,500 participants from states across the

region, Canada and other countries, said W. Bradford Johnson of Cook College, program coordinator.

Sessions on tomatoes, bedding plants, potatoes, sweet corn and small fruits are scheduled for the meetings, which are co-sponsored by the State Department of Agriculture, the Vegetable Growers' Association of New Jersey and the State Potato Association.

Also featured is an extensive trade show, which will occupy all 93 available exhibit booths and spotlight the latest in agricultural equipment and technology.

The opening session on Tuesday,

Jan. 19, begins at 9:30 a.m. in Resorts International's Green Room. It includes the keynote address of the meetings, "Increasing Productivity: Is This the Key to Your Future?", to be delivered at 10:30 a.m. by David Call, dean of the College of Agriculture and Life Sciences at Cornell University.

Also set for that day are an examination of the future of the tomato industry offered by Allan K. Stoner of the U.S. Department of Agriculture, a look at plant disease resistance in tomatoes, and an evaluation of processing tomato varieties.

The session on bedding plants is also scheduled for that afternoon.

Farmland preservation will be discussed at the beginning of Wednesday's session, starting at 9:30 a.m. Peter J. Furey of the New Jersey Farm Bureau will speak on the topic.

The direct marketing program will also be held on Wednesday. It will address a number of points concerning "pick-your-own" produce marketing, roadside stands and other sales strategies.

The Colorado potato beetle, widely regarded as New Jersey's foremost insect pest of vegetables, will be the subject of attention during the meeting's potato session, set for Wednesday afternoon. In addition, new potato varieties for the state and related topics will be covered.

The session on fluid drilling is also scheduled for Wednesday, beginning at 1:45 p.m. Particularly

successful with carrots, peppers and bedding plants, fluid drilling is a technique that involves sprouting and planting seeds in a protective gel.

A banquet Wednesday evening will include entertainment and the presentation of awards to those who have made outstanding contributions to the state's vegetable industry.

Thursday's program includes an update on vegetable disease control, the uses of plastic mulches, fertilizing vegetables through trickle irrigation, and

weather data geared to farm needs.

Also set for Thursday are the sweet corn session and the program on small fruits.

Each of the three days of the program will feature alternative activities for spouses. These include a bus trip to Smithville Village, the uses of vegetables in decoration, and a social in the exhibit hall.

A \$10 registration fee will be charged for the meetings. For additional information, contact Johnson at 201/932-9395.

Scours treatment introduced

KALAMAZOO, MI. — Lincomix Swine Pack, a lincomycin feed grade product for treatment and control of bloody scours, is being introduced through veterinarians, feed dealers and farm supply stores by TUCO, Division of The Upjohn Company.

The product, marketed in five-pound bags and containing 20 gms. of lincomycin per pound in a soybean millfeed carrier, may be mixed into complete feed by swine producers without a Medicated Feed Application. Lincomix feed additive is also available in 50-pound bags.

For treatment of bloody scours, Lincomix is fed at 100 gms. of lincomycin per ton for three weeks or until disease symptoms disappear. For control of bloody

scours, Lincomix should be fed at 40 gms. of lincomycin per ton of feed from weaning up to market weight. A six-day withdrawal period is required prior to slaughter.

Lincomycin is also available from Upjohn as an injectable sterile solution, available in 50 mg./ml. and 100 mg./ml. concentrations. It is administered intramuscularly at 5 mg. per pound of body weight once daily for 3-7 days for treatment of mycoplasmal pneumonia and infectious arthritis in swine.

The Upjohn Veterinary and TUCO Animal Health Divisions of The Upjohn Company also market a wide range of animal care products for cattle, sheep and other livestock as well as swine.

Delmarva Corn-Soybean conference highlights profit-making decisions

SALISBURY, Md. — Theme of the upcoming Delmarva Corn and Soybean Technology Conference is "Dollars and Decisions for 1982"—a timely topic for farmers watching the gap narrow between production costs and profit. The conference takes place Wednesday, February 3, at the Wicomico Youth and Civic Center in Salisbury, Md.

Topics to be covered during the day-long event include grain marketing strategies, use of agricultural chemicals in food production, breeding advances in

corn and soybeans, production costs, farm financing, and no-till production practices.

Doors open at 8:30 a.m. for coffee and donuts and a visit to more than 50 exhibits. The program ends at 3:30. The conference—a major event for Delmarva grain producers—is sponsored jointly by area agribusiness industries and the Cooperative Extension Services of Delaware, Maryland and Virginia. See your local county agent or agribusiness representative for lunch tickets.

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Chicken Coop News

Update on the poultry industry

By Herb Jordan

Penn State Extension Poultry Specialist

Feed conversion in cage layers

Weekly records were kept on feed conversion (pounds of feed per dozen eggs).

During the first week of egg production in two large commercial flocks of Leghorn cage pullets (total 70,450 birds), feed conversion ran 50 to 80 pounds of feed per dozen eggs. This cumulative feed conversion was cut in half every week for the first 5 weeks of lay.

By the 27th week of age, feed conversion had fallen below four pounds of feed per dozen eggs. At the 40th week of age, feed conversion dropped to a low of 3.1 pounds of feed per dozen eggs.

Feed conversion stayed this low for 6 weeks in one flock and 24 weeks in the other flock. This variation depends on the health and genetics of the bird, the temperature of the environment, feed wastage, and the quality of the feed. Feed conversion then became more inefficient late in the production year and returned to 3.5 and 3.6, respectively, in the two flocks as an overall average or cumulative pounds of feed per dozen eggs.

If annual feed price averaged 10 cents per pound of feed purchased than feed cost per dozen eggs produced ran 35 to 36 cents a dozen. If all costs other than feed cost ran an additional 20 cents a dozen we see how total cost to produce a dozen eggs ran 55 to 56 cents. Inflation of input costs is a primary problem for farmers.

Eggs per bird ran 228 eggs per bird housed at 70 weeks of age in one house (non-molted) and 336 eggs per bird housed by the 97th

week of age in the other flock which was molted.

Feed was ground and mixed on the farm using a commercial concentrate plus corn and occasionally other grains and ingredients.

If feed price was 10 cents per pound and feed conversion was 80 pounds of feed the first week of lay, the feed cost per dozen eggs would be \$8.00. The second week feed conversion was 40 pounds or \$4.00 feed cost to produce each dozen eggs.

The next three weeks, feed conversion fell to 20, 10, and 5 pounds of feed to produce each dozen eggs which at a 10 cent per pound feed price would have been \$2, \$1, and \$.50, respectively, feed cost per dozen eggs. It is important to note how rapidly feed conversion falls as well as feed cost per dozen. They are reduced in half every week for the first four to five weeks.

Significant too is that feed conversion fell to its lowest (finest or best) level between 40 and 64 weeks of age. This means each ounce of feed must be adequate in quality to sustain high egg production over many weeks.

Nearly all Leghorn flocks peak above 80 percent production; however, only a few flocks sustain egg production over 80 percent for 20 to 30 weeks. The longer egg production is high the lower feed conversion usually is. Since this is the greatest cost in egg production, farmers should record, examine, study and alter feed conversion when necessary.

Jackson Farms leads Fayette Co. DHIA

UNIONTOWN — Jackson Farms of New Salem led the 1981 Fayette County DHIA testing year with averages of 17,874 pounds of milk and 406 pounds of fat on 112.1 Holsteins.

The county's 1,274 cows on test averaged 13,809 pounds of milk and 483 pounds of fat during the 52nd year of DHIA testing.

Jackson Farms also had the top 2-year-old for fat with 703 pounds and the high 3-year-old for milk and fat with 19,595 pounds of milk and 788 pounds of fat.

Kamp Farms of Confluence took

top honors for high 2-year-old in milk production. Their grade Holstein finished with 19,501 pounds of milk.

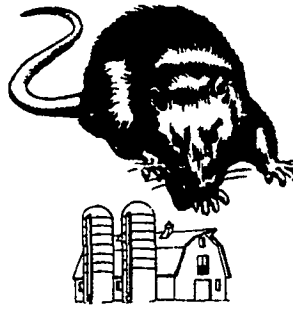
Herring Farms of Farmington claimed top production honors with two of their Holsteins. Their 4-year-old, "Bossy," led her age category for milk and fat with 20,369 pounds of milk and 830 pounds of fat. Herring Farm's "Todi," who began her lactation at one year, 11 months, finished with high fat total of 625 pounds. High milk in that age category was claimed by James Poorbaugh's

Holstein, "Lulu" who finished with 17,069 pounds.

Wendell Umbel's 7-year-old cow, "Sue", was overall top producer with 25,284 pounds of milk and 911 pounds of fat.

Members of the Fayette County DHIA include: President—John Piwowar; Vice President and Recording Secretary—William K. Jackson; Executive Secretary—Kathleen Vensko; Directors—Darwin Herring, James Kamp, Lawrence Leonard, and James Poorbaugh; Supervisors—Mike Herring and Linda Kurutz.

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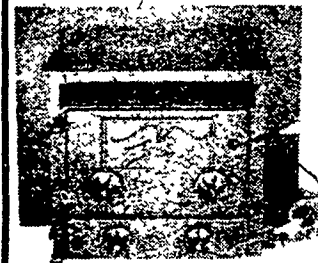
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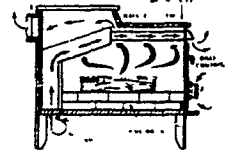
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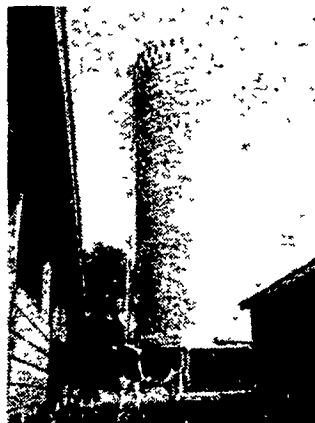
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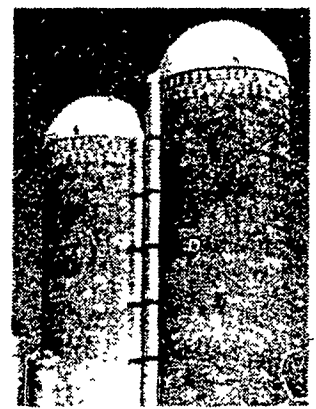
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Nematode populations growing in Md.

COLLEGE PARK, Md. — Field crop nematode surveys seem to illustrate an old adage that "when you go looking for trouble, you often find it."

For years, plant pathologists in the United States had regarded nematodes as primarily a problem for commercial vegetable growers.

But, since 1973, a vigorous program of soil surveys in Maryland has turned up soybean cyst nematodes on the lower Eastern Shore, corn cyst nematodes on the upper Eastern Shore (only in Kent county), and new evidence of root-knot and stunt nematodes in the southern Maryland tobacco-growing area.

These were among new developments reported during the Southern Maryland Crops Conference on Dec. 8 by James G. Kantzes, an Extension plant pathologist and botany research worker at the University of Maryland's vegetable research farm near Salisbury.

Kantzes told 300 farmers at the Mechanicsville meeting that Calvert County fields had by far the largest infestation of nematodes harmful to tobacco in a 1980 soil survey of the five-county southern Maryland tobacco-growing area. Root-knot and stunt nematodes were the most numerous.

Turning to the soybean cyst nematode, Kantzes reported that Maryland populations of this root-feeding pest so far seem to be confined to the lower Eastern Shore. The nematode turned up for the first time this year in Wicomico county, Dorchester, Worcester and Somerset counties were already on the infestation list.

Research studies indicate that the soybean cyst nematode can reduce soybean yields drastically, with some affected fields yielding as low as five bushels per acre. But agricultural researchers have not yet been able to prove significant yield reductions from infestations of the corn cyst nematode.

However, studies on this latter pest are scarce—since the Kent county infestation last year was the first reported finding of the corn cyst nematode in North America.

Kantzes explained that nematodes are tiny worm-like creatures that feed on plant roots. There are many kinds of nematodes, and some of them are specific; i.e., they attack primarily one kind of plant. Thus, crop rotation is a fairly effective control measure against this latter kind of nematode.

The Maryland Extension specialist noted that nematodes can be controlled with chemical formulations called nematicides. When used as a broadcast application, this method is expensive. But row-treating at planting time can reduce the cost to a feasible level.

"Before using a nematicide, be sure you have a nematode problem," Kantzes advised.

He reported that the Forrest soybean, a group V variety, is resistant to the soybean cyst nematode. By contrast, Essex—the

most widely planted soybean on the Eastern shore—is a very susceptible variety.

Part of the University of Maryland research work on the

soybean cyst nematode is being supported by farmers through the Maryland Soybean Board, an example of "soybean check-off dollars at work."

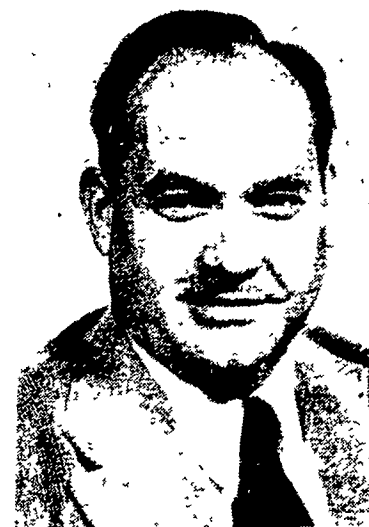
Charolais Assn. elects

HOUSTON, Tex. — Robert Matthews, owner of Minute Man Farms, Yerrington, Nev., is the president-elect of the American International Charolais Association.

Mathews was elected at the recent fall meeting of the AICA Board of Directors, held Nov. 20 and 21 in Louisville, Ky.

He succeeds Arnold Wienk, Lake Preston, S.D., whose term will expire at the association's 25th Annual Membership Meeting scheduled for March 18, 1982 in Reno, Nev.

A member of AICA since 1969, Mathews runs 150 Charolais cattle and farms 1,285 acres of alfalfa. He has served as Area Director of AICA; president of the California Charolais Association; and as a director of the Western Charolais Association.



Robert Matthews
AICA President-elect

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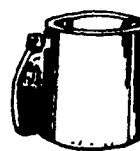
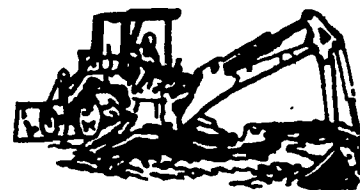
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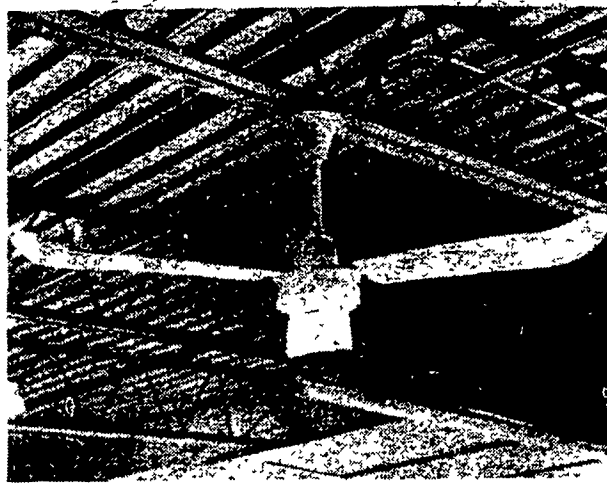
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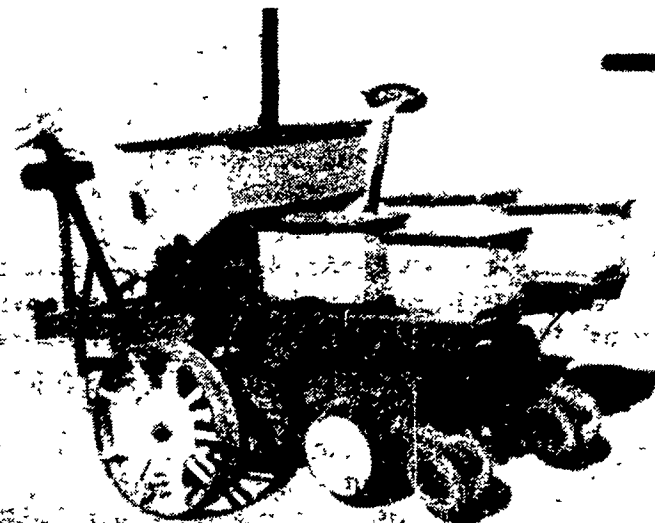
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Nature signals assist in corn borer control

COLLEGE PARK, Md. — Old-timers in outdoor occupations traditionally had rules of thumb concerning relationships between changes of seasons and the flowering of plants or migrations of birds. Scientists refer to this as phenology.

Now the ancient concept is being applied to modern procedures for non-toxic insect control in no-tillage corn production by Extension and research entomologists at the University of Maryland.

The concept applies particularly well to control of the European corn borer, according to Floyd P. Harrison, professor of entomology and research worker at the College Park campus.

Harrison has worked on the project with J. Lee Hellman, Extension field crop insect specialist. Their idea was originally tested at the University of Delaware.

During the recent Southern

Maryland Crops Conference, Harrison reported, that the European corn borer was really the only insect causing major damage for Maryland crop farmers during 1981.

To minimize corn borer damage, Harrison noted, corn-planting should be seasonally timed so that plants are not at their most susceptible stage when corn borer larvae are most numerous.

In both Maryland and Delaware, the rule of thumb for proper timing would be to plant corn when forsythia and star magnolia bushes are in full bloom. By contrast, avoid planting corn when dogwood is in full bloom or lilacs are in the early bloom stage.

Keep in mind that some chemical treatment may still be necessary to control the European corn borer—but only if damage reaches certain threshold levels. Timing is critical.

At the early whorl stage, corn should be sprayed if borer damage

is observed on 30 percent of the plants in a field or other fairly large area. When corn plants are in the late whorl stage, spraying for European corn borer is not necessary unless fresh damage is noted on at least 50 percent of the plants.

When corn has reached the tassel stage, spraying for European corn borer is too late for

any kind of effective control, Harrison declared.

Recommended pesticide for European corn borer control include carbaryl (Sevin), carbofuran (Furadan), diazinon, or methyl parathion (PennCap-M).

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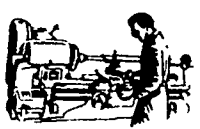
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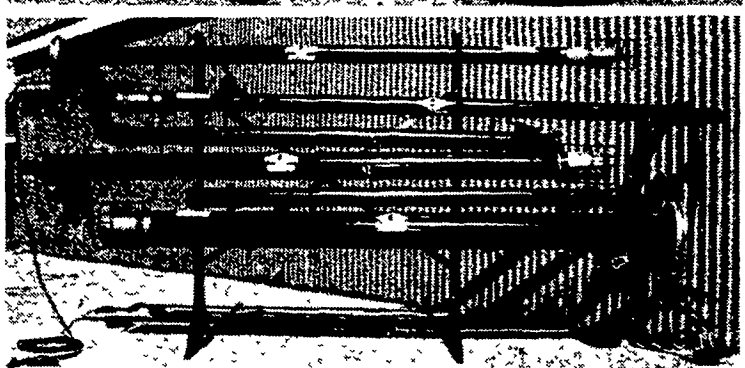
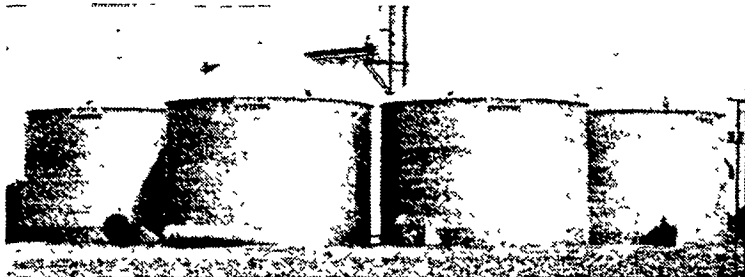
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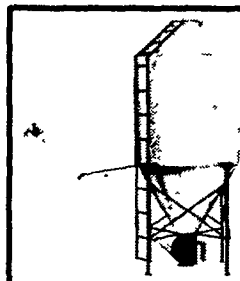
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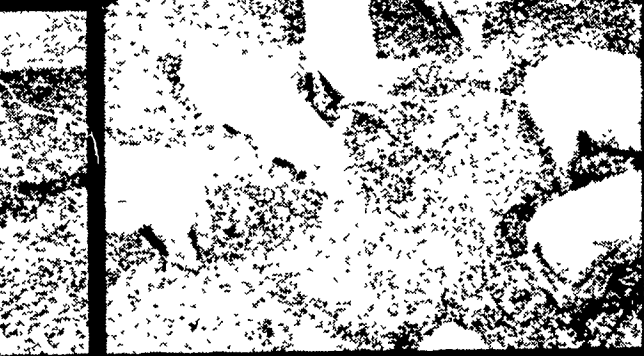
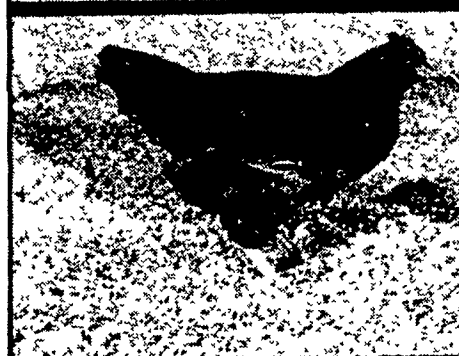
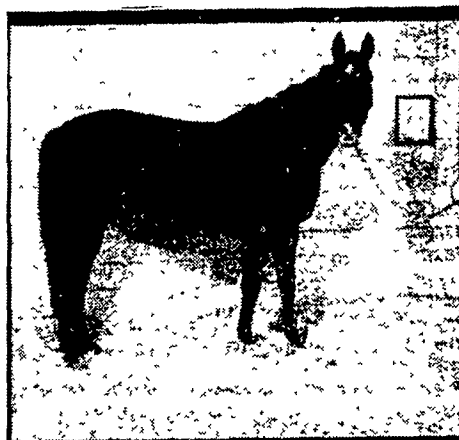
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Dauphin County DHIA Monthly Report

November, 1981

OWNER	BREED	% DAYS IN MILK	LBS. MILK	LBS. FAT
Robert J. Schaffer	H	63.3	17,752	664
Restful Acres	H	76.3	17,813	660
Catalpa Farms	H	112.1	17,069	645
Earl Campbell	H	53.7	16,302	642
John Hertzler	H	69.2	16,865	641
Larry L. Boyer	H	22.4	17,357	639
Calvin B. Musser	G	69.6	13,778	633
Roy M. Brubaker	H	59.4	18,122	625
Robert H. Beach, Jr.	H	45.3	16,596	623
Donald Engle	H	62.7	16,127	621
Paul L. Crissinger	H	81.8	16,330	618
Harold M. Nissley	H	44.2	16,839	611
J. Melvin Brandt	H	69.9	16,009	611
Wil-lene Farms	H	56.9	17,076	610
J. Richard Alwine	H	50.6	15,743	605
Elwillo Farms	Mix	114.5	16,022	601
Dale F. Faust	H	32.2	16,259	601
Stoney Lawn Farms	H	78.4	16,510	599
Lytle Farms, Inc.	H	100.6	16,171	594
Wilmer Campbell	G	59.6	13,330	590
Isaac K. Newswanger	H	44.4	14,851	580
Great View Farms	H	52.2	15,451	580
Earl E. Keefer	A	82.0	14,311	574
Lee E. Sweigard	H	22.4	15,589	571
Henry Keiter	H	47.6	15,170	570
James Leshner	H	40.3	15,130	569
Lauden Farms	H	139.0	15,443	568
Frank Wagner, Jr.	H	52.7	14,770	563
Paul E. Clugston	H	77.2	14,996	562
Roy C. Wilbert	H	25.1	15,678	559
Robert Oellig	H	35.0	14,153	555
Sher Mar Acres	H	36.9	15,293	553

305 day lactation records above 500 lbs. fat.

OWNER NAME OR NO.	AGE	LBS. MILK	% FAT	LBS. FAT
Bryncoed Farm Jersey				
209	5-11	13,098	5.1	667
299	4-4	10,145	5.6	564
322	4-0	12,152	4.7	572
John Hertzler				
Audrey	5-5	19,410	4.0	776
Penny	4-3	13,477	4.6	626
Nonie	3-4	23,900	3.0	718
Susetta	3-3	16,542	3.7	611
Earl E. Keefer				
Beverly	8-11	16,554	4.0	662
Jane	9-10	13,445	4.0	536
Mary	3-4	13,317	4.0	538
Hale	3-6	13,614	3.8	514
Gwen	2-10	15,257	3.5	539
Robert Oellig				
Junket	6-9	15,500	3.3	519
Delight	3-7	14,451	3.7	538
Conaete	4-8	14,774	3.9	569

Robert J. Schaffer	6 4	21,950	3 9	85/
Lee	5 2	24,150	3 8	910
Barb	4-11	24,449	4 2	1021
Fay	4-6	21,263	3 5	735
Bertha				
Lebo Brothers				
Rose	2-1	10,879	4 9	536
John Roy Book				
Mary	6-0	15,316	3 7	568
Gomer	2-4	15,379	4 1	626
Fanny	2-4	16,760	3 4	563
Rachel	2-5	13,500	3 8	513
Stoney Lawn Farms				
Bridget	6-11	16,406	3 4	555
Jayanna	6 6	17,736	3 4	604
Iris	4 9	21,949	3 2	694
Chief	8 3	23,264	3 8	895
Lytle Farms, Inc.				
Autena	7-11	18,493	3 7	689
Nita	7 2	18,872	3 3	631
Ella	5-2	20,158	4 4	878
Satin	4-1	15,377	3 1	535
Leila	3 4	23,396	3 0	574
Eden	3-1	17,035	4 0	675
Ada	3-3	16,418	4 7	768
Violet	3-1	18,569	3 2	592
Paul L. Crissinger				
Lori	9-4	14,763	3 8	564
Lovely	9-1	19,287	3 5	680
Carrie	5-11	19,663	3 9	776
Gert	4-1	21,893	3 3	731
Lana	4-1	16,552	3 9	643
Amber	2-1	13,824	3 9	546
Floyd Feidt				
Carol	6-11	16,248	3 8	613
Corrie	4-11	13,442	3 9	523
Annbell	4-6	12,784	4 5	579
Mahlon L. Lehman				
Lea Ann	6-1	19,562	3 8	742
Rosanna	4-10	16,571	4 2	689
Sis	4-7	13,631	4 2	573
Wilmer Campbell				
Betsy	9-10	12,037	4 4	529
Petal	6-8	12,747	4 6	592
Kathy	8-5	15,178	4 5	681
Becky	4-6	13,290	4 8	633
Jerry	4-4	14,221	3 8	545
Olive	4-2	16,571	3 8	626
Harold M. Nissley				
Gwen	4-9	19,567	3 9	757
Libby	2-0	14,611	3 6	532
J. Richard Alwine				
Dolly	3-9	15,876	3 6	574
Homer Campbell				
154	4-1	18,934	4 1	768
158	4-1	15,123	3 6	548
55	4-2	16,551	3 8	635
24	4-3	16,451	3 8	629
Catalpa Farms				
Lila	6-3	23,666	4 3	1006
108	3-2	18,473	3 4	628
106	3-3	15,268	4 1	631
119	2-11	21,825	3 9	856
150	2-0	13,020	4 4	567
160	1-11	14,167	4 1	586
Restful Acres				
Star	9-4	25,255	3 6	908
Spark	4-4	24,103	3 7	894
Marjo	3-3	22,206	3 6	790
Maxine	2-3	15,112	4 0	603
Stream	2-4	18,156	3 4	625
Robert H. Beach, Jr.				
189	7-3	14,228	4 1	584
149	3-0	19,333	4 0	767
Lauden Farms				
112	4-5	17,522	3 6	627
118	4-0	18,172	3 0	550
9	4-4	18,296	3 6	681
66	3-2	19,340	3 7	712
73	0-0	14,203	3 6	513
134	2-4	16,054	3 5	558
69	2-2	15,889	3 9	620

Lancaster Farming, Saturday, January 2, 1982-C7

Frank Wagner, Jr.	5-5	13,747	4 2	578
4	3-0	16,419	3 4	559
Gary E. Miller				
65	3-1	14,163	3 9	551
Donald Engle				
22	6-1	17,499	3 6	626
8	4-2	23,201	3 9	915
210	3-6	19,682	3 7	728
1	3-1	17,320	4 2	721
7	3-2	19,512	3 5	685
83	0-0	15,616	4 0	621
Great View Farms				
Marcy	5-9	17,978	4 1	631
Fashion	5-1	18,053	3 9	704
Earl Campbell				
9	6-3	18,627	3 4	637
129	5-3	16,689	3 9	648
135	5-0	18,040	3 7	664
138	5 0	17,242	4 2	728
109H	3-1	16,843	4 2	702
135H	2-0	14,539	3 8	550
Isaac K. Newswanger				
18	5-1	17,271	4 3	750
32	3 4	17,820	3 8	684
OR22	2-1	15,261	3 5	535
Sher Mar Acres				
66	7-3	18,890	3 9	740
305	4-5	18,336	3 7	674
226	5-0	17,181	3 8	661
Paul E. Clugston				
42	8-1	15,741	3 8	597
85	4-9	21,344	3 4	724
James Leshner				
Allie	1 9	13,812	3 8	529
Sally	5-1	15,151	4 1	628
Raymond Belack				
Arlene	3-7	13,535	4 0	542
Bambi	1-11	13,075	4 3	566
Nickie	2-0	14,301	3 5	503
Wil-lene Farms				
13	5-2	23,231	3 2	744
Roy C. Wilbert				
Edna	4-1	16,621	3 4	565
Lynn	2-0	17,296	3 5	609
Isaac King				
5	6-6	13,741	4 3	589
8	5-6	14,106	3 9	554
Jeff Rode				
73	2-2	16,058	3 3	532
Arthur Brandt				
Pam	6-11	17,757	3 7	651
Jewel	7-6	17,145	4 0	690
Carla	6-4	14,798	4 0	590
Katydid	4-10	15,178	3 8	582
Heidi	3-6	13,206	4 3	573
Elwillo Farms				
40	4-4	20,328	4 7	948
12	4-2	18,650	3 2	602
185	3-6	21,550	3 9	840
8R	3-3	16,864	3 3	553
179	2-2	13,129	4 2	552
41	2-5	12,269	4 2	514
Dale F. Faust				
71	3-6	17,111	3 8	652
Robert N. Miller				
Ruthie	4-3	13,316	4 5	595
Peni	3-1	13,310	4 6	607



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Lebanon County DHIA Monthly Report

November 1981

OWNER NAME OR NUMBER	AGE	LBS. MILK	% FAT	LBS. FAT
Kenneth I Sellers				
Alice	6-8	25,607	3.5	886
Willow Maple Farm				
Ann Sam	8-6	23,611	3.4	809
Ferndale Farms				
Girtie	3-5	25,201	3.9	982
Albert F. Moyer				
Pilot	8-0	25,447	3.5	901
Susie	5-4	28,512	3.7	1058
Penny	4-5	23,037	3.7	842
Marvin K. Meyer & Sons				
Karen	6-2	23,793	3.5	822
Harold Myer				
257	4-5	22,515	4.2	956
S. Mt. Echo Dairy Farm				
63	5-9	22,225	3.7	812
Richard & Ronald Shirk				
Abbie	8-3	22,005	3.8	827
Benneth Bros.				
71	9-1	26,596	3.5	927
San Bo Holsteins				
137	4-6	20,547	4.0	830
31	3-9	20,771	4.0	841
Sonnen Acres				
Harriet	5-9	17,789	4.9	868
Jesse L. Weaver				
16	6-9	23,783	3.8	895
Lentzdale Farms				
7	3-7	23,016	3.6	829
Kirby L. Horst				
Pat	6-5	22,165	3.8	849
Ronald Kelchner				
17	6-3	24,802	3.8	935
Daniel B. Shirk				
Verna	4-10	24,505	3.6	877
Norman Kline				
Princes	6-3	23,697	3.6	857
Capsule	5-4	26,927	3.5	953
Rudy	3-5	19,715	4.2	820
Hershey Bare				
82	4-1	23,144	4.0	930
Arnold Acres				
Pepper	4-3	23,237	3.9	910
Walter K. Heisey				
Tex	6-4	24,281	3.8	932
Mervin W. Horst				
15	5-6	22,869	3.6	830
Walter M. Martin				
13	6-0	24,249	3.5	845
7	3-5	23,318	3.6	835
Lester Martin				
Freda	6-4	20,670	4.0	826

OWNER	NO. BREED COWS	% DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Roy E. Nolt					
41	11-7	18,097	4.7	854	
78	4-10	24,611	3.6	884	
Philhaven Farm					
67	6-2	20,392	4.0	815	
Melvin Krall					
66	9-1	20,565	4.5	924	
Lloyd S. Newswanger					
76	4-8	24,448	3.6	878	
Ramona Holsteins					
Corie	1-11	23,333	3.9	902	
Peggy	1-10	22,646	4.0	902	
Jess	2-0	18,031	4.6	836	
Galen Bollinger					
237	5-4	23,158	3.7	847	
296	4-0	19,551	4.4	861	
Eugene Martin					
33	7-1	23,239	3.5	811	
Phares Z. Musser					
50	6-4	19,407	4.7	918	
Wernerway Farm					
9	5-10	21,418	4.2	898	
Raymon & Marlin Getz					
Carrie	3-6	22,556	4.1	936	
Benneth Bros					
3	7-2	84.7	20,265	743	
Marlin M. High	B3	34.8	88.8	20,023	723
Raymond & Marlin Getz	3	51.3	80.8	18,919	720
Dale Hostetter & Sons	3	87.1	85.7	19,046	719
Marvin Meyer & Sons	B3	89.9	89.3	18,575	717
Willow Maple Farm	3	42.7	91.9	20,679	706
Kenneth I. Sellers	3	42.9	86.2	17,958	705
Kenneth Mase	3	78.7	88.5	18,486	704
Roy E. Nolt	B3	49.2	82.0	18,003	694
Albert F. Moyer	3	80.5	86.0	19,366	689
Ronald Kelchner	B3	58.5	85.6	18,726	686
Gary Lee Mase	5	14.2	83.7	16,333	684
Gary Lentz	3	41.9	85.6	17,580	675
Clarence G. Mase	G3	34.8	84.8	18,400	674
Arnold Acres	3	99.2	88.5	18,170	672
Sonnen Acres	B3	108.7	83.8	17,321	670
Robert Martin	B3	42.8	87.7	17,588	665
R. & R. Shirk	3	75.4	88.5	17,684	662
David Brandt	3	65.8	86.8	17,256	660
Donald G. Hotter	B3	47.1	86.8	17,297	658
Gideon A. Fisher Jr.	G3	34.5	84.6	18,409	658
Hubert S. Miller	3	53.5	88.3	16,020	657
Norman Kline	3	75.5	84.8	17,405	656
Phares Z. Musser	3	74.3	88.4	16,606	656
Hoover Farms	3	82.0	86.9	17,431	655
Vincent A. Wagner	3	42.5	84.0	17,915	653
San Bo Holsteins	3	64.4	85.9	17,487	653
Irvin Z. Brubaker	B3	38.6	86.8	18,787	652
David H. Horning	G3	62.0	83.9	17,386	648
David E. Zimmerman	B3	49.9	84.6	18,295	646
Roy H. Weaver	B3	62.0	85.1	17,099	646
Kirby L. Horst	3	46.4	82.1	17,222	646
Philhaven Farm	3	96.3	88.3	17,365	645
Galen Bollinger	B3	125.1	88.8	17,218	643
Enos N. Leimbach	3	32.7	88.0	17,020	641
Melvin Krall	B3	78.7	88.3	17,288	639
Eugene R. Houser	B3	28.2	85.2	16,765	638
Conewago View Farms	B3	73.2	87.9	16,682	636
Fort Zeller Farm	B3	48.2	85.2	16,605	635
Reuben O. Martin	B3	66.7	84.8	17,781	635
Ernest P. Detweiler	B3	52.3	86.7	17,957	632
Leon H. Kline	3	102.2	88.8	17,019	630
Wernerway Farm	B3	120.1	86.6	16,847	630
Lloyd Burkholder Jr	B3	51.5	89.4	17,068	630
Mervin W. Horst	B3	41.1	86.6	16,809	628
Ferndale Farms	3	86.8	80.8	16,738	627

OWNER	NO. BREED COWS	% DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Hershey Bare	3	85.8	87.0	16,458	625
Walter M. Martin	B3	43.1	81.9	17,584	625
Moses O. Martin	B3	68.2	88.0	17,749	622
Hoover Farms No. 2	B3	44.9	87.6	17,154	621
Mark C. Patches	B3	88.0	85.8	15,773	621
Lloyd S. Newswanger	B3	73.0	82.9	17,196	619
Daniel B. Shirk	3	43.3	88.8	17,426	619
John Brubaker	B3	50.4	85.3	16,606	614
M. Luther Bennetch	G3	69.7	87.7	16,334	611
G. & E. Ungemach	B3	74.9	87.2	16,355	610
Walter K. Heisey	B3	55.9	88.4	17,833	610
Wilmer S. Reiff	G3	61.0	85.3	16,249	609
Arthur R. Krall & Son	3	65.6	82.4	16,268	609
A. & M. Martin	B3	41.4	85.0	17,558	607
Leon M. Burkholder	B3	43.8	87.2	16,285	605
Marlin D. Heisey	B3	36.2	81.6	16,460	604
Twin-Maple Farm	B3	43.1	86.9	16,768	602
Ernest Wagner	3	37.9	83.4	15,951	602
Robert B. Smith	2	76.4	85.7	12,390	602
Lester Martin	B3	57.3	89.4	15,567	601
Eugene Martin	B3	93.3	85.9	16,362	601
Richard L. Heilinger	B3	33.4	86.1	15,755	600
M.H. Bomberger & Son	B3	76.8	89.8	15,422	599
Dennis Wampler	B3	99.1	88.2	17,132	596
Lentzdale Farms	B3	68.9	86.1	16,070	591
S. Mt. Echo Dairy Farm	B3	117.5	85.8	15,775	586
Harvey F. Bomgardner	3	99.9	85.5	15,832	584
Mark Copenhaver	B3	66.2	90.0	15,499	584
Elvin Martin	B3	46.5	84.4	15,838	582
Luke Wise	G3	37.2	86.6	15,558	577
Hollow Pride Farm	B3	39.1	84.6	15,656	577
Jesse L. Weaver	B3	50.6	81.7	15,179	571
Clyde E. Deck	G3	67.0	86.9	15,249	570
Bucher Brothers	B3	42.3	83.1	16,398	570
Luke I. Patches	B3	44.4	80.5	14,848	566
Melvin M. Nolt	B3	52.7	87.8	14,918	564
Neal Eshleman	G3	39.7	86.4	15,775	564
Harvey E. Bomgardner	B3	47.3	87.8	15,090	561
Ray R. Sattazahn	B3	100.6	82.6	15,488	560
Harold Myer	B3	309.0	87.0	14,276	559
Larry G. Shuey	B3	71.8	85.6	16,259	552
D. & D. Bucher	B3	75.0	89.5	14,525	551
Warren Hetrick	B3	36.4	86.5	14,778	550

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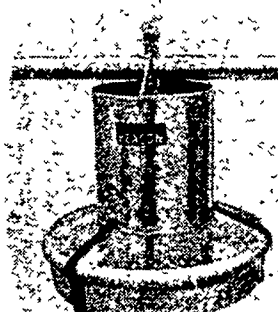
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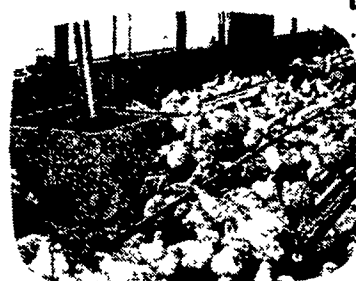
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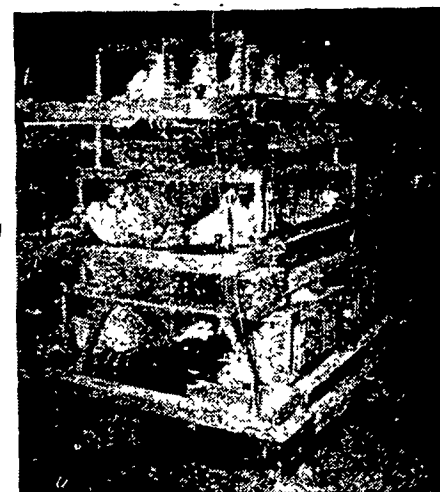
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Bradford County DHIA Monthly Report

November 1981

The following herds had a rolling herd average of 550 lbs. or more. Herds with less than 10 cows are not included.

NAME	BRD	NO. COWS	% COW DAYS IN MILK	LBS. MILK	LBS. FAT
William Brown	3	26 6	89 8	24,135	920
Donald E. Harkness	3	49 7	88 1	19,944	772
Ronald P. Davis	B3	35 6	87 4	19,384	771
Richard H. Packard	3	51 2	87 2	20,213	759
Windham Valley Farm	B3	42 9	84 8	20,250	748
Robert Taylor	B3	45 3	87 2	18,774	747
Earl J. Gamble	B3	41 2	87 1	18,475	738
George M. Shell	3	37 3	86 4	18,091	731
Wayne H. Lamont	B3	39 9	84 3	19,745	723
Russel L. Jones	3	65 4	86 4	19,161	716
Ford Ridge Farm	B3	37 4	86 6	18,245	710
C. & K. Crain	3	50 3	89 6	19,134	710
M. Kinsman & Son	3	102 0	87 1	18,102	709
Marvin Berry	B3	41 5	86 8	18,819	706
Dale Matlocks	3	68 1	89 8	18,156	706
Y Run Dairy Farms	3	86 6	87 0	18,478	706
Wm. Bruce Bresel	3	65 1	84 8	17,767	705
Archie L. Williams	B3	54 7	91 9	19,139	703
T. & D. Elliott	B3	40 2	37 0	18,654	703
D. Jennings Jr.	B3	104 1	89 2	19,032	702
Roe Russel Jr.	3	100 1	87 9	17,465	700
Snowcrest Farm	B3	77 0	87 7	18,450	695
H.W. Russell & Sons	B3	48 6	89 3	17,371	693
L. & L. Alderson	B3	31 8	86 4	17,184	689
L. & R. Cole	B3	55 8	85 9	17,329	686

Leona Holsteins	3	48 8	90 3	18,324	680
Fivebrooks Farm	3	73 3	88 4	18,678	68
Arthur D. Wolf	B3	60 0	87 1	17,585	681
Timothy Brennan	B3	45 5	87 3	16,873	678
Jeff & Karen Hale	B3	52 0	86 0	18,297	678
Abraham S. Derstine	3	58 1	89 1	18,402	675
Lyle D. Monro	3	86 9	86 9	18,565	674
Leslie Freeman	3	53 8	88 8	17,769	672
Cagle Knolls	B3	47 3	90 4	17,049	667
Matt Will	9	69 1	86 0	17,804	667
Elmer Comstock	3	59 5	82 7	16,986	666
D. & P. Cole	B3	35 6	86 0	17,139	666
Glen & Arlen Landis	3	76 9	87 0	18,101	664
Springcrott Farm	3	96 2	87 5	17,877	663
Braund Valley Farms	3	80 1	87 1	17,576	662
Stanley Saxton	3	67 2	84 9	17,142	662
Walter G. Wheaton	B3	55 8	88 6	17,278	662
Root Farms	B3	31 3	88 1	17,498	661
Richard H. Storck	3	38 3	86 7	18,019	661
Stuart Wrisley	B3	54 0	86 8	17,160	660
Lawrence A. Swartley	G3	28 7	86 7	17,011	658
George W. Lee	B3	53 5	86 7	17,456	657
S. & C. Jenkins	B3	43 2	87 7	15,708	656
Calvin Watson	4	59 6	91 4	12,439	656
John Kolesar Jr.	B3	43 3	89 0	16,591	655
Carl McClelland	3	29 9	86 6	17,360	651
Kenneth L. Prince	B3	67 4	85 4	17,130	649
Gerald Stethers	3	78 1	86 6	16,644	649
Pierchome Farms	3	32 6	86 6	16,219	648
C. & R. Shatter	B3	68 3	88 2	16,780	648
V. & R. Allis	B3	47 5	84 2	17,099	647
Hopps Hill Farm	B3	39 8	90 3	16,926	645
Arlyn Wilbur	B3	46 8	87 7	16,312	645
Elisbree Bros	B3	69 2	86 2	17,105	645
Merle Bacon	B3	38 0	86 6	16,241	642
Ponder Hill Farms	3	58 9	88 8	17,031	642
R. Allen Rightmire	3	43 4	91 7	16,405	642
Allen S. Andrews	3	77 5	86 3	18,486	642
J. & D. Elvidge	B3	45 2	87 1	16,667	642
K. Walters & Sons	G3	80 1	87 5	14,843	641
Scott & Lynn Cook	B3	30 6	87 6	17,191	641
Sheldon L. Millard	3	54 4	88 0	17,301	640
Lazzell Watkins	B3	62 5	84 4	16,794	637
Ray & Larry Rowe	B3	55 7	86 9	16,673	636
Milton Sherman	3	39 1	92 8	16,839	634
Geo. & Ronald Ross	B3	61 7	88 9	15,979	633
Paul D. McCoy	B3	74 9	86 8	17,156	632
Donald Jennings Sr	B3	30 2	82 4	17,009	632
R. & J. Sechrist	B3	51 7	87 0	17,113	632
Elwin Roberts	B3	39 9	85 8	15,837	631

Lancaster Farming, Saturday, January 2, 1982—C9

Art & Joan Gover	B3	40 1	84 7	17,065	630
Bill & Donna Earls	3	58 5	88 8	16,382	630
Jay & Faye Good	G3	41 5	89 3	16,985	630
Scott Bryan Shedden	B3	50 7	84 0	17,993	629
Richard D. Wheeler	3	56 7	87 2	17,465	628
Frank Herman Jr.	B3	40 6	86 8	17,122	627
Rodney Babcock	B3	88 2	89 0	16,630	626
Greland Farms	3	41 6	84 1	16,945	625
Duane Lewis	3	41 7	86 0	17,184	623
Mapoval Farms Inc	3	87 6	87 4	16,326	623
Robert H. Whipple	3	62 6	88 8	16,328	623
Halstead Bros	B3	66 3	88 2	16,032	623
Ben Jackson	3	56 2	87 7	15,936	622
Davis Brothers	3	67 2	86 8	15,431	622
Bob & Tom Murray	B3	92 0	82 7	16,404	622
Bradley Hallett	B3	32 1	87 5	16,886	621
Nancy K. Bean	B3	26 4	86 8	16,313	621
Dawson & Dave Moon	3	43 5	86 0	16,502	620
Vernalder Farm	B3	50 8	85 2	17,027	620
Richard Bristol	B3	35 9	85 0	16,883	620
E. & B. Harris	4	50 6	86 1	12,836	620
L. & B. Miller	3	51 0	81 9	16,070	619
Jerry Pruyne	B3	64 4	86 9	15,009	619
Ronald MacWhinnie	B3	44 7	89 4	15,602	618
Thomas McCarty	B3	157 9	87 4	15,858	618
Douglas Graybill	3	36 6	86 5	16,624	617
Leigh Sturdevant	3	69 2	89 5	14,912	615
C. & M. Elliott	B3	47 0	84 4	16,828	611
Dale R. Petty	B3	39 3	87 0	16,439	610
Clyde F. Seeley	3	41 5	87 7	16,017	609
Wright Bros	2	77 4	85 6	13,203	609
R. Champluvier & Son	3	56 5	88 4	16,254	609
Ronald & Judi Butts	3	43 2	82 5	15,925	609
Bride Brothers	B3	58 4	84 0	15,667	608
G. & N. Johnson	B3	83 2	87 4	14,781	607
Lloyd Smeck	G3	50 9	92 4	16,022	606
Gary S. Ferguson	B3	34 9	89 3	16,090	605
Le Canville Farm	3	58 6	85 0	15,827	604
Warren J. Roberts	G3	47 8	78 9	16,687	604
Pet Roypa Farm	3	43 5	86 1	16,191	603
Robert S. Thomson	3	74 1	86 5	15,837	602
D. & E. Allis	B3	36 0	85 1	15,859	599
Rod Watson	4	80 0	88 1	11,719	599
Alfred Sparling	3	82 1	86 2	16,211	598
Peck Hill Farms	B3	92 3	84 4	17,079	596
Calkins Farm	3	67 3	89 8	15,692	596
John Culver	3	76 9	87 1	15,755	595
W. & R. VanBlarcom	B3	67 7	85 7	15,579	595
Russell Stowell	B3	40 1	87 9	15,848	593
Bennett R. Young	3	67 6	87 5	16,581	592

(Turn to Page C10)



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Bradford Co. DHIA

(Continued from Page C9)

Clayton Oldroyd	3	27	89	15	078	591
Richard B. Reagan	3	45	85	16	019	591
Kendall Farm Inc	3	42	84	15	595	590
Madigan Farms	B3	87	86	16	369	590
A & C Harkness	B3	56	87	15	607	589
Shores Brothers	B3	35	83	15	743	589
Ron Lin Farms	B3	32	90	15	508	589
William J. Smith	3	46	85	16	241	588
Randy Watson	3	55	86	14	751	588
Dennis Lehman	B3	50	86	16	253	587
Robert W. Corv	B3	56	82	14	511	586
Ray Keeney	B3	72	87	15	754	586
Raymond Hoppage	3	75	83	17	283	585
David & Joyce Egge	B3	56	86	14	894	585
Ige R Luv Dairies	B3	83	85	16	334	585
Frank Purcell	B3	25	86	16	379	584
Pinetop Farm	3	59	86	15	103	582
Betty Kilmer & Sons	B3	34	86	15	636	582
Clarence Stevens	3	53	86	14	744	582
Fox Chase Farms	B3	145	85	15	652	581
Louis Sturdevant	3	53	87	15	400	580
M. & B. Bradley	B3	38	80	12	990	580
D. & C. Bagley	B3	52	88	16	327	580
James Boor	B3	81	85	15	537	579
Philcrest Farm	B3	65	86	16	531	578
Merle Watson	B3	58	90	15	650	578
Claude W. Arnold	B3	35	80	14	431	578
James A. VanBlarcom	B3	45	88	14	448	578
Shumhurst Farm	3	63	83	15	687	577
Scott Moore	B3	81	87	14	962	576
William Eick	4	61	87	11	894	576
Parks Knoll Farms	B3	95	86	15	750	576
Swamont Farms	B3	70	80	14	985	575
V & K Harkness	B3	65	86	14	291	579
Dave L. Wright	3	35	87	16	430	575
Martin Kingsley	B3	49	82	14	275	574
Lewstone Farms	G3	59	84	14	936	574
Paul Robbins	B3	40	85	15	186	574
Roy & Tim Beardslee	3	96	88	15	263	573
Wilcox Bros	2	80	89	12	134	572
M. M. Watkins	B3	29	84	15	433	571
R. A. Scrivens	B3	51	84	14	486	570
Dinger Bros	B3	50	85	14	656	567
Harvey Hennip	3	41	88	16	145	566
Donald E. Cole	5	45	88	13	651	566
Ted Baldwin's Dairy	B3	41	83	15	619	565
Gary Rockwell	3	50	87	14	898	564
James L. Powelson	3	37	88	15	816	563
Paul Sargeant	B3	40	86	14	554	563
Robert L. Storch	3	67	83	15	537	563
East Knoll Farm	3	56	81	14	831	563
Gary & Donna Ayres	B3	85	86	16	180	563
Summit Dairy Farm	B3	49	88	15	310	563
Manleyview Farms	B3	49	83	15	354	562
Ja-Jen Farms	B3	36	88	14	983	562
H. W. & G. Alderter	B3	33	82	14	858	561
Brackman Bros	2	87	87	12	154	560
Endless Mts. Farm	8	47	81	14	899	560
R. Brown & R. Ely	G3	49	80	14	839	560
James Howard	3	68	84	14	803	559
H. Warner & Sons	B3	81	85	14	705	557
Windy Mont Farm	3	54	84	14	293	557
Keith Felter	G3	34	86	15	200	556
Lyle Harkness	B3	42	90	14	490	555
G. & J. McMurray	B3	48	88	16	413	553
M. & L. Wanck	B3	62	85	14	896	552
Joyce M. Harvey	B3	35	83	14	627	551
Charles Allen	B3	119	87	15	348	551
Clifton McMurray	B3	60	85	14	404	550
R. Hutchinson & Sons	B3	41	79	16	242	550
Fer-Mar Farm	B3	46	86	14	937	550

This reports all DHIA cows that have produced 700 lbs. of butterfat or more in 305 days. PLUS 2 year old records of 600 lbs. or more

OWNER NAME OR NO	AGE AT CALVING	DAYS IN MILK	LBS MILK	LBS FAT
Y Run Dairy Farms				
Faith	3	2	293	17,934
Merry	3	2	305	17,782
Mapoval Farms Inc				
R Lu	3	4	305	19,224
Fox Chase Farms				
149 5	3	8	298	17,714
197	3	6	305	22,407
122 7	3	5	305	23,002
1717	3	5	305	22,168
Wm. Bruce Bresee				
Vaughn	3	6	295	23,151
Merylow	3	6	305	21,206
Candy	3	5	305	23,055
Allyson	3	4	300	22,599
Rita	3	3	298	19,330
Ralph-Joyce Kurrick				
141	3	6	305	17,652
Wilcox Bros				
Esther	2	10	305	14,574
Ronald MacWhinnie				
VI	3	5	270	17,637
Debbie	3	5	280	16,446
Dianne	3	5	303	20,399
Dale Mattocks				
Nila	3	6	305	20,224
Ivy	3	5	305	23,929
Gina	3	5	305	21,486
Maddie	3	4	305	19,902
Shelly	3	3	305	21,713
Kay	3	3	305	17,535
Becky	3	2	299	15,604
Eugene & Brian Harris				
Sally	4	6	305	12,919
Russell L. Jones				
Amelia	3	6	305	25,518
Lennie	3	6	305	25,791
Della	3	5	305	19,198
Astrid	3	2	305	16,755
Thomas McCarty				
51	3	8	305	16,762
115	3	5	305	26,430
64A	3	7	305	18,109
235	3	4	305	20,293
113 A	3	4	305	21,728
364	3	4	305	20,472
Lynn & Bonnie Miller				
Margy	3	11	305	16,317
Madge	3	5	305	21,031
Maid	3	4	305	21,170
Shumhurst Farm				
Pumper	3	8	305	21,909
R. Champluvier & Son				
Arlene	3	4	305	18,564
Ona	3	4	305	21,059
James Howard				
Gigi	3	4	305	20,389
Stretch	3	2	305	19,475
Vernon & Robert Allis				
Deb	3	4	305	23,900
Wm S. Davis Jr				
Della 5	3	7	305	16,909
Merle Bacon				
Audrey	3	7	305	21,292
Michele	3	3	305	21,746
Elwin Roberts				
Polly	3	6	305	20,530
Enola	3	4	305	18,863

Glen & Arlett Landis					
Tara	3	6	305	18,727	700
Mabel	3	6	305	19,434	736
Jan	3	5	305	23,460	833
William Brown					
Wendy	3	6	305	26,324	1001
Stanley Saxton					
Ella	3	5	305	20,910	804
Ben Jackson					
June	3	4	305	19,744	741
Lucile	3	3	305	18,958	765
Marvin Berry					
G 83	3	4	305	23,443	863
G 5	3	3	305	20,640	750
Clarence & Keith Crain					
Gail	3	2	305	16,952	659
Louis Sturdevant					
Liza	3	3	305	16,903	721
Alissa	3	2	305	14,106	636
Loretta	3	2	305	15,124	606
Leonard-Robert Cole					
Seven	3	8	305	20,899	840
Rita	3	7	305	20,570	841
Wanda	3	6	305	20,861	783
Donald E. Harkness					
Blossom	3	4	305	20,442	918
Amy	3	2	296	18,506	681
Debby	3	2	305	16,674	600
Max & Andy Dewing					
Sarah	3	4	305	21,344	744
Milford Kinsman & Son					
Spot	3	7	303	22,412	1021
Vane	3	5	299	22,826	877
Claudia	3	3	305	21,568	756
Cora	3	3	301	17,837	705
Disco	3	2	305	16,367	675
Detris	3	2	305	18,031	652
Donna	3	2	305	13,859	611
Deerie	3	2	300	15,353	606
Lyle D. Monro					
53	3	9	305	21,388	749
43	3	8	305	22,511	794
46	3	8	241	19,428	736
13	3	6	305	19,171	712
84	3	5	305	18,510	701
66	3	2	273	15,483	632
Timothy Brennan					
Sass	3	2	305	17,081	666
Gerald Stethers					
65	3	3	305	17,645	731
Springcroft Farm					
Patty	3	7	305	18,082	724
Jackie	3	4	277	19,971	645
Robert L. Storch					
Inez	3	5	289	20,021	754
Christa	3	3	305	22,529	780
Elmer Comstock					
Topsy	3	7	250	19,074	730
Lisa	3	2	305	18,242	656
Lynn	3	8	305	20,795	821
Richard H. Packard					
Balsam	3	2	305	19,673	745
Boogie	3	2	305	21,428	605
Fivebrooks Farm					
Patrice	3	8	305	23,580	877
Ellen	3	8	305	24,852	787
Merry C	3	7	305	18,381	800
Elinor	3	5	305	22,140	923
Marbeth	3	4	305	25,557	875
Pepi	3	3	305	21,330	899
Reba	3	3	305	20,469	701
Portia	3	3	305	23,249	749

(Turn to Page C11)

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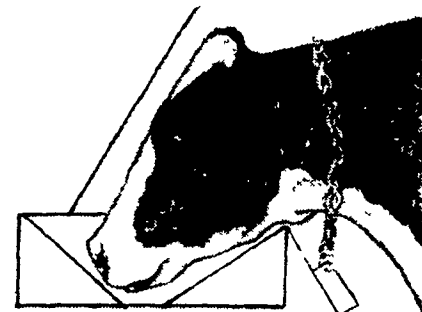
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Bradford Co. DHIA

(Continued from Page C10)

Robert H. Whipple					
Toots	3	4	305	20,066	705
Jude	3	4	305	21,079	748
Debby	3	2	305	17,111	628
Donald E. Cole					
Dari	5	4	305	18,192	700
Rodney Babcock					
98	3	6	305	20,483	721
67	3	0	305	18,307	726
Robert Taylor					
Candy	3	6	305	22,731	896
Ray Keeney					
7	3	5	305	21,569	845
Richard B. Reagan					
Eleva	3	4	305	19,995	847
Richard D. Wheeler					
Karrie	3	4	302	19,871	728
Duane Lewis					
1	3	5	305	21,130	806
18	3	3	305	19,504	715
35	3	4	305	20,220	710
William J. Smith					
Lena	3	5	305	26,072	818
Richard Jenkins					
Dar	3	7	305	17,303	722
Gene Miller					
318	3	6	304	16,744	725
Tige R. Luv Dairies					
66	3	8	305	23,281	925
Robert & Gary Burke					
Star	3	5	305	17,406	752
Swamont Farms					
Goodie	3	6	305	19,446	734
Sheldon L. Millard					
20	3	4	305	20,909	756
Cragle Knolls					
Pokey	3	3	305	18,112	705
Olive	3	2	305	15,692	685
Paul D. McCoy					
121	3	2	305	19,320	683
Windham Valley Farm					
Cherry	3	6	305	26,655	990
Fift	3	6	269	18,506	766

Gene	3	4	305	19,547	787
Neil	3	3	305	20,270	707
Harvey Hennip					
Alice	3	5	305	17,599	716
Kara	3	5	305	20,603	709
Judy	3	5	305	16,675	640
Heidi	3	2	305	16,099	627
Garry & Nancy Johnson					
50	3	2	305	23,112	801
Kenneth L. Prince					
Recal	3	10	305	19,424	764
5280	3	5	305	21,073	716
2303	3	5	305	19,318	729
Dale R. Petty					
Lovely	3	4	305	16,947	719
John Kolesar Jr.					
Betty	3	6	305	22,587	819
Wayne H. Lamont					
De De	3	5	297	20,044	713
Bob & Tom Murray					
26	3	4	292	17,063	702
87	3	2	305	19,870	774
R. Allen Rightmire					
Dolly	3	3	305	14,703	612
Tom & Diane Elliott					
Spike	3	2	294	21,004	742
Sally	3	2	293	20,293	736
Raymond Hoppaugh					
Becky	3	3	293	15,495	618
Ray & Tim Beardslee					
104	3	2	305	20,590	783
Alfred Sparling					
Janice	3	8	305	19,923	740
Sharon	3	5	305	17,994	615
Lindy	3	2	305	21,254	800
Lazzell Watkins					
42	3	6	293	21,532	805
46	3	5	305	17,021	707
Lyle Harkness					
89	3	5	305	23,883	948
Braund Valley Farms					
Harriet	3	10	305	18,260	754
Alice	3	8	305	24,768	920
Val	3	6	305	22,456	840
Ivy	3	6	305	18,436	701
Trixie	3	4	303		

Lancaster Farming, Saturday, January 2, 1982—C11

Shirley	3	4	305	19,563	714
Maisie	3	5	305	21,177	841
Kit	3	3	305	20,822	720
Candace	3	2	305	17,103	643
Matt Will					
Carrie	9	8	299	23,601	868
Betsy	9	6	305	19,643	880
Ginny	9	2	303	19,714	783
Vernalder Farm					
Sissy	3	4	305	16,751	708
Arthur D. Wolf					
55	3	13	289	20,716	757
36	3	10	305	21,589	925
22	3	5	305	19,645	795
32	3	4	305	22,173	760
41	3	4	305	19,292	693
25	3	2	305	19,701	887
2	3	2	305	17,763	617
Allen S. Andrews					
507	3	9	305	24,135	811
563	3	9	305	22,416	799
Sabrina	3	4	305	18,875	702
Angel	3	3	305	21,139	714
Mrs. Mark Schucker Jr.					
Patricia	3	5	305	25,350	848
Nicole	3	4	305	21,450	775
Leona Holsteins					
Farwell	3	3	305	19,324	735
Ann	3	3	305	23,213	892
Melanie	3	2	305	19,642	756
Ali	3	2	305	16,061	627
Gypsie	3	2	305	17,299	610
Kenneth Walters & Sons					
24	3	5	305	18,599	874
52	3	3	305	18,554	747
Walter G. Wheaton					
79	3	4	305	23,056	702
Drew & Craig Bagley					
Gem	3	7	305	20,439	726
Helen	3	4	305	24,273	866
Gary Butcher					
6	3	6	305	17,956	767
Earl J. Gamble					
Margie	3	8	301	18,066	891
Sherry	3	7	305	22,614	930
Cindy	3	2	305	15,619	614
Ronald P. Davis					
Gwen	3	7	258	19,954	704
Tina	3	6	305	22,943	1128
Ginger	3	4	297	19,379	740
Glow	3	3	305	22,028	856
Gloria	3	2	296	16,504	672
Greland Farms					
Trudy	3	8	305	20,271	709
Ginger	3	7	305	19,930	710
Abby	3	8	305	22,313	778
William Smith					
Sensatn	3	7	305	19,319	730
Donald Jennings Sr.					
45	3	4	305	21,135	794
Donald Jennings Jr.					
70	3	8	305	25,757	785
102	3	6	293	20,614	784
124	3	5	305	20,683	865
35	3	4	305	21,807	764
Lewis & Lois Alderson					
Bullet	3	4	305	18,643	774
Seven	3	3	305	23,964	918
Scott & Ben Jackson					
Charity	2	5	305	13,946	753
Leslie Freeman					
4313	3	3	305	19,127	817
Cozy Valley Farms					
Renee	4	6	305	14,502	704
Endless Mts. Farm					
Jane	9	4	300	21,234	710
Calvin Watson					
Barb	4	6	274	11,586	808
Marvel	4	3	305	13,593	714
Jo	4	3	305	13,133	731
Jerry Pruyn					
46	3	3	305	17,906	732
22	3	2	305	13,979	733
Calkins Farm					
Carrie	3	7	305	18,212	712
Clifton McMurray					
105	3	2	305	18,706	653

(Turn to Page C12)

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Study to prove stimulation improves bull carcass

HOUSTON, Tex. — The commercial cattle producer is the backbone of the purebred cattle industry in the United States. Understanding this, the American-International Charolais Association initiated two programs in 1981 to benefit both the commercial producer and the Charolais breed.

The first is a project designed to demonstrate the superior performance and consumer acceptability of young bulls. The project will compare bulls and steers while on feed and after slaughter. It began in February 1981 with the birth of the calves on a commercial cow/calf operation in the Sand Hills of Nebraska.

AICA says it hopes to use information gained from the project, along with other data, to convince the USDA that electrically-stimulated carcasses from young bulls fed for a minimum of 100 days should not be discriminated against by grading them as "bullocks".

All 128 calves involved in the project were weaned on October 26, 1981 at approximately 7 months of age. The steers had an average weight at weaning of 550.2 pounds, while the bulls weaned at 573.0 pounds. Bull calves which were three-quarters or more Charolais weighed, on the average, 66.5 pounds more than calves only one-half Charolais. Among the steers, the three-quarter Charolais averaged 42.1 pounds more than the one-half Charolais.

Once the bulls and steers reach desired end weights, they will be slaughtered, and hot and cold carcass weights, USDA Quality and Yield Grades, fat cover over the 12th rib, and ribeye area will be recorded. In addition, eighty half-carcasses will be sent to the Texas A&M University Meats Lab., College Station, Texas, for com-

plete carcass evaluation. The project is scheduled to be completed in the spring of 1982.

The second program is a membership classification for the commercial beef producer who uses Charolais bulls. The purpose of this new membership classification is to provide recognition of the importance of the commercial producer to the success of the Charolais breed; to establish a line of communication between AICA and the individual commercial users of Charolais bulls; and to provide an added

service to AICA members.

The commercial member will receive a subscription to the "Charolais Journal"; will be placed on the mailing list to receive the quarterly Charolais Commercial Report; be eligible to enroll his cow herd in the Charolais Herd Improvement Program (CHIP); have his name published in the "Charolais Journal" and also in the annual AICA Membership Directory; and be eligible to have his Charolais-cross calves listed in a feeder calf/replacement heifer file at the AICA office.

Bradford Co. DHIA

(Continued from Page C11)

Gary & Donna Ayres	71	3	7	305	22,975	717
George W. Lee		3	4	305	21,116	800
Linda		3	7	305	20,530	739
Loretta		3	6	305	21,368	809
Mary						
Davis Brothers		3	5	305	18,510	768
D 37		3	3	297	17,591	709
D 64						
Piercehome Farms		3	5	292	21,976	858
Allie		3				
Scott-Bryan Shedden		3	5	305	21,834	734
19		3	6	257	20,009	772
15						
Halstead Bros.		3	6	287	19,756	719
47		3	5	295	22,291	880
32		3	2	305	18,050	620
154		3	2	305	14,341	608
165						
Marshall M. Watkins		3	4	298	17,740	745
Betsy						
Kerryview Acres		3	5	305	22,281	813
Dolly 16		3	4	305	19,646	761
Gylon						
Scott & Lynn Cook		3	6	305	21,151	760
Helen		3	2	305	15,814	616
Midge						
Richard H. Storck		3	8	305	20,882	822
10		3	3	305	21,235	821
57						
Charles Allen		3	7	305	18,775	722
9 E		3	6	298	18,951	734
13 F						
Roy Hutchinson & Sons		3	6	263	23,207	708
Bridget						
Kenneth E. Ober		3	5	305	17,858	747
43						
Calvin & Rick Shaffer		3	3	305	18,063	750
76		3	2	305	17,849	729
50						
Fred Shaffer		3	3	305	19,297	714
Lynda						
Larry B. Wright		3	5	305	16,417	716
Peach						
Pet Roypa Farm		3	5	305	19,294	718
Delores						
Stuart Wrisley		3	7	286	21,041	783
6154						
Madigan Farms		3	8	305	24,215	758
Shamrock						
Summit Dairy Farm		3	5	305	21,884	808
Merry						
James & Diane Elvidge		3	4	305	19,788	787
Neil		3	4	305	17,330	855
Slopoke						
Merle & Leslie Wanck		3	5	305	18,692	721
Abby						
Raymond A. Scrivens		3	3	305	17,966	745
67						

Limas have limited 'N' needs

NEWARK, Del. — A two-year Extension study conducted at the University of Delaware's Georgetown Substation to determine the nitrogen needs of lima beans shows that this crop does not respond to high levels of nitrogen.

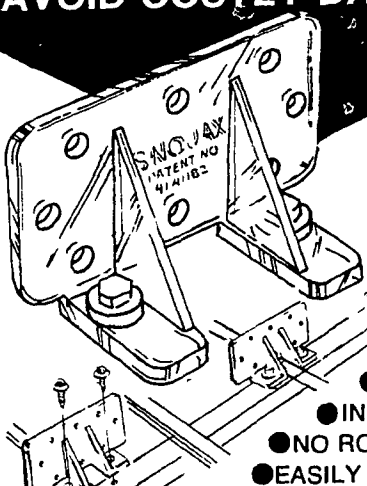
Different forms of N were applied at the rate of 40 and 80 pounds per acre, using plots that received no N as a performance check. The results from 1980 and 1981

demonstrations were identical.

Results showed that no more than 40 pounds of N were needed to produce a maximum yield, and the form of N was not important. According to extension specialists involved in the study, there was a tendency in both 1980 and 1981 for 30 percent nitrogen applied as an over-the-top spray at pre-bloom to depress yields.

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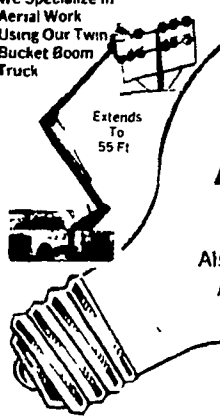


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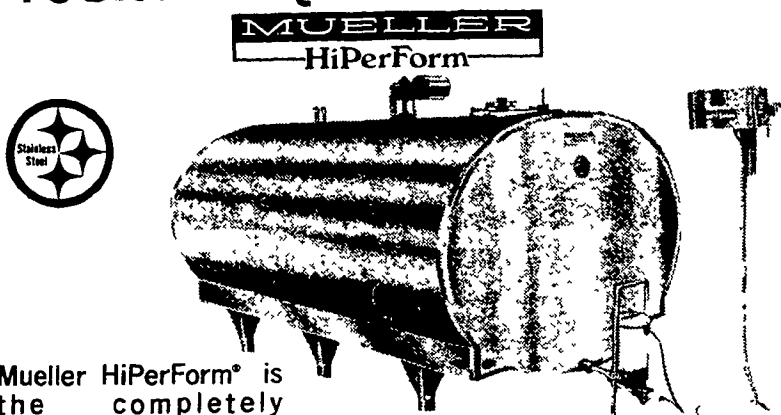
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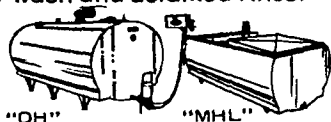
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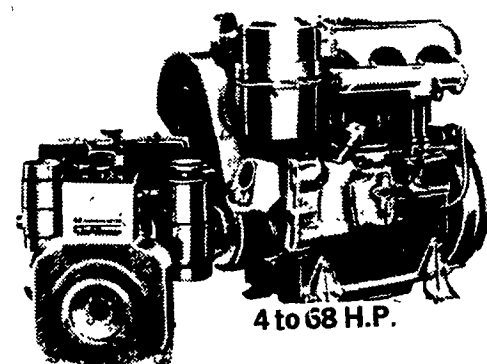
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Farming's Futures

By David K. Sauder
Commodity Advisor
Trade Tech, Lancaster



How can the futures market be used to earn a storage payment?

The tendency of the basis to narrow by the amount of reduced carrying costs as the delivery month is approached provides hedgers with what amounts to a payment for storage. The payment for storage is in addition to price level protection. Many experts insist that a farmer who owns storage should store and hedge in order to earn a return on his investment.

The amount of the approximate payment for storage can be determined simply by comparing the current local cash price with the futures price minus the probable basis at the time of delivery. This is another area where an understanding of basis and records of past bases can prove valuable.

Example: Assume the current cash price of corn in your locality is \$1.80. The July futures price is, say, \$2.50. From past experience you know that the usual local basis in July is about 40 cents, meaning that the present futures price of \$2.50 is equivalent to an offer of roughly \$2.10 for your corn delivered in July.

Since the current local price is \$1.80, the futures offer of \$2.10 amounts to a 30 cents a bushel payment for storing corn until July. Assuming your estimate of a 40 cents basis in July proves accurate, you should net about \$2.10 for your corn in July regardless of the level of prices in July.

Is it possible to speculate on a change in the basis?

Not only is it possible, it can involve less risk than speculating on a change in the level of commodity prices. Speculating on a narrowing of the basis could be worthwhile if the local cash price is unusually low in relation to futures prices. By selling a futures contract, any basis narrowing in excess of the cost of storage will result in a profit regardless of what happens to the price level.

Example: At harvest, the local cash price is \$1.80 and the futures price is \$2.50, a basis of 70 cents.

Your records indicate that the usual basis is 50 cents or less at harvest and that, by March, it has consistently narrowed to about 40 cents. You thus decide to temporarily hold your crop off the cash market and sell a futures contract at \$2.50.

Assume that by February the cash price has declined to \$1.65 and the March futures price is \$2.10. Despite the price level decline, the basis is now only 45 cents. By selling your crop locally and closing out the futures contract you realize \$1.65 plus a profit of 40 cents when the futures contract sold at \$2.50 is bought back at \$2.10.

The total of \$2.05 is 25 cents a bushel more than you would have received if you had sold your crop at harvest at \$1.80. The narrowing of the basis from 70 cents to 45 cents thus gave you an additional 25 cents profit (less the cost of storing the crop from harvest until February).

Are there other ways a knowledge of basis can contribute to grain marketing profits?

There are a variety of ways, too numerous and in some cases too involved to describe here. But armed with an introduction to the arithmetic of basis and an understanding of its importance in grain marketing (particularly in hedging), most producers and other marketers of grain will quickly recognize opportunities to employ basis know-how profitably. Moreover, a knowledge of basis is equally as valuable to buyers of grain—such as livestock feeders and grain processors—who use the futures market to hedge against rising prices.

Don't hesitate to seek the assistance of a qualified commodity broker, especially one who is experienced in hedging and cash grain marketing. Such a person should be able to help you not only in planning a marketing strategy that takes basis into account but also in implementing it.

Grain prices are subject to rapid change and a broker who is following them continuously can

alert you to profit-making opportunities that often go as fast as they come.

Can a knowledge of basis help in making cash marketing decision?

It can—and should—be one of the considerations.

For example, assume a local elevator bid for corn on a certain day in December is \$1.85 a bushel. Noting that the December futures price is currently quoted at \$2.45, you can quickly calculate that the elevator is offering to buy corn at a basis of 60 cents under the nearby (December) futures.

From past experience and your records of basis in previous year, you know that the usual December basis in your area is only 40 cents to 45 cents (which would mean a net price 15 cents to 20 cents higher than the elevator is presently offering).

There may, of course, be any number of possible reasons for a wider than normal basis: Such as an unusually large crop that is causing grain to sell at a greater than normal discount relative to future prices. Or the elevator may not have bids from its usual customers and therefore have to sell to buyers at a more distant location.

In this case, the wider basis may reflect higher transportation costs. Or in the absence of strong demand or active competition for grain, the elevator may be simply attempting to acquire grain at the lowest possible cost.

Depending on the reason for the wider than normal basis, you may want to shop around for a possibly higher price. A price being offered outside your usual marketing area might be enough above the local price to justify—or more than justify—the extra cost of hauling.

Of if you believe a wide basis will prove to be of short duration, you may want to delay selling your crop in the hope of a more normal basis and a higher selling price. (Keep in mind, however, that any delay in selling runs a risk of a decline in the level of prices.) A 5 cents improvement in the basis is small consolation if, in the meantime, the price level has dropped by 10 cents or 15 cents.



Soybean officials report China trial successful

ST. LOUIS, Mo. — American Soybean Association officials returning last week from China report positive developments that will eventually aid in increasing U.S. soybean exports to the PRC. Successful feeding trials using a soy milk replacer and the opening of a trade office in China possibly as early as this spring will help to promote the sale of U.S. soybeans to the Chinese giant, say ASA animal nutritionist Ken Lepley and China program director Terry Foley.

Recently completed feeding trials in China in which a soy-based milk replacer was fed to newborn calves showed good results and proved to the Chinese that a soy milk replacer can be used effectively, reports Lepley.

The competition for milk between humans and animals is severe in China, and Lepley notes, "There is simply not enough milk to go around." Because of this severe shortage, the Chinese have been killing male calves at birth and saving the milk for heifers.

ASA market development analysts wanted to show the Chinese that a soy milk replacer could be effectively fed to calves, thereby eliminating the need to kill off precious livestock and creating a potential market for U.S. soybeans.

If you have questions about futures trading, send your questions to Farming's Futures, Lancaster Farming Newspaper, Box 366, Lititz, PA 17543.

The feeding trials were set up in June, with ASA's help, on a large state farm which milks about 700-750 cows and serves the Shanghai area with milk products. Lepley reports that the calves fed with the soy milk replacer gained more weight and had fewer digestive problems than calves fed with whole milk.

What the next step will be is uncertain, but Lepley said the Chinese are definitely interested in using more of the milk replacer and less whole milk.

Also helping spark U.S. trade with China will be the opening of a joint cooperator trade office in China in 1982. China expert Foley says that the office could open as early as February or March and will be shared by ASA with representatives from the U.S. Feed Grains Council and the U.S. Wheat Associates.

ASA projects with PRC in 1982 will involve the exchange of technical teams with emphasis on familiarizing the Chinese with high protein livestock feed rations, along with any other particular interests of Chinese. Foley noted that for the first time, there will be Chinese teams visiting the U.S. that will be conducting intensive in-depth studies, not overall studies as the Chinese teams did in 1980.

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Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

The 1980s - We're Here

As 1981 draws to a close, we can look back upon a year of accomplishment as well as frustration. Individuals can regret, but probably not undo their mistakes.

For agriculture and farming in general, I think the 1980s will be food. Unfortunately, we will probably experience some rather severe shocks and rough times before things turn around. We may even see a change in what people buy in the way of food.

Agriculture itself will survive. The big question is, will you be a part of this stronger, more productive, more profitable farming picture?

A Question of Survival

In the next three years a number of farm businesses will either fold or come so close to folding that

only massive infusions of dollars will save them.

Some of the reasons for failure will be the fault of the operators—poor credit use, too many repeated mistakes, refusal to accept change, lack of experience, poor use of records or no records at all, and lack of decisive management ability.

Some will be circumstances—a depressed economy, a change in what consumers want, disaster, bad luck, or insufficient resources.

At any rate, the present credit crunch plus a deepening recession for farmers will push many out of business. Unfortunately many of those forced out are the ones we can least afford to lose—the young farm family.

Will You Survive?

Will you survive?

It will take more than hard work

and skinned knuckles to stay in farming during the next 3-5 years. It will take determination, the willingness to learn and use new management skills, the ability to think and plan ahead, the capability of saying no to salesmen and meaning it, and the drive to succeed.

Let's look at a few areas where farmers may stumble.

✓ **Credit** - you should either use no credit or learn how to use it with success.

✓ **Records** - keeping and using rather detailed records won't guarantee success but the lack of records can sure guarantee failure.

✓ **Efficient production** - you don't have to be first to survive but you had better be in the upper half. Efficient production is not strictly measured by production level because it really means "return over costs", but higher production per unit is a big factor.

✓ **Business analysis** - one way to measure past mistakes and triumphs is thru a business analysis. It can be of great value in making decisions and learning from mistakes.

✓ **Projections** - a look into the future based on results from the past. Linear programming is a projection tool that can look at the results of changes on one or many

Charolais breeders to x'silver'brate in Reno March 14

RENO, Nev. — "Silver" will be the emphasis in March as American-International Charolais Association members meet for their 25th Annual Membership Meeting here in the "silver city" on March 14-18.

Hosted by the California Charolais Association, the event will include an affiliate workshop, trade show, western dance and barbecue, the California Charolais Association Sale, AICA Board of Directors' and standing committee meetings, and the membership meeting.

Registration will begin at 12 noon on Sunday, March 14, at the MGM

Grand Hotel in Reno. There will be a \$60 registration fee per person, and this will pay for entrance to many of the events scheduled by the Western Charolais Association.

At 1 p.m. Sunday, the members of the Long Range Planning Committee will meet. This will be followed by a cocktail party hosted by members of the California Charolais Association.

An Affiliate Workshop will start off the day on Monday, March 15, and will continue until 12 noon. Topics to be covered during this workshop will include the use of video equipment, promotional events sponsored by AICA affiliates, and different aspects of breed promotion. All members of each of the AICA affiliates are urged to attend this workshop.

The AICA Executive Committee members begin their meeting at 1:30 p.m. Monday. At 3:30 p.m., the Charolais Publications, Inc. Board of Directors will meet.

That evening, a floor show called "Hello Hollywood Hello" will be held at the MGM Grand. Cost for the show, which begins at 8 p.m., will be \$32 per person.

Standing committee meetings will begin at 8 a.m. Tuesday morning. The first session of the AICA Board of Directors' meeting will begin at 2 o'clock that afternoon and continue until 4:30. At 5 p.m., buses will depart from the hotel for a western dance and barbecue to be held in Virginia City, Nev.

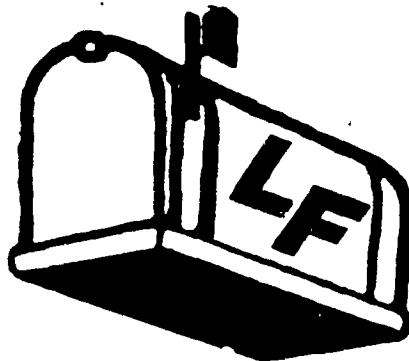
Other workshops will be held on Wednesday, and that evening, beginning at 5 p.m., a cocktail hour will be held, followed by the California Charolais Association sale. Thirty outstanding Charolais will be offered at this sale which will be held in the MGM Grand Ballroom. Following the sale, dinner will be served and a dance held. Black tie will be optional and the registration fee will cover the evening's events.

Thursday, the second session of the AICA Board of Directors' meeting will begin at 9 a.m. and continue until 12 noon. The AICA Annual Membership Meeting will begin at 1:30 that afternoon. Included on the agenda for this meeting will be voting on changes in the AICA by-laws.

This meeting will wrap up the scheduled events for the membership, but an optional ski holiday to Heavenly Valley will be offered to AICA members. The cost will be \$175 per person, and will begin Thursday evening and continue until Sunday afternoon.

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USDA reports export sales

WASHINGTON, D.C. — Private exporters recently reported to the U.S. Department of Agriculture the following activity:

—100,000 metric tons of hard red winter wheat for delivery to the USSR during the 1981-82 marketing year and the sixth year of the Long Term Grain Supply Agreement; and

—110,000 tons of hard red winter wheat for delivery to Saudi Arabia during the 1981-82 marketing year.

To date, the USSR has bought 10,765,100 tons of grain for the sixth year of the Long Term Agreement—Oct. 1, 1981, to Sept. 30, 1982. Of this amount, 5,759,000 tons are wheat and 5,006,100 are corn.

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Wanted - the following equipment, heavy; disc harrow, 12' or larger, transport grain auger, gravity grain wagon, 5/8" high pressure hose 215-257-9286 after 7 p.m.

For Sale - Int. 710 plow 5x18 automatic reset, gauge wheel. Also Int. 400 snow blade 7'. Berks County. 717-866-4286.

For Sale - MF 1100 Diesel Tractor, MF 65 Gas Tractor 717-587-2659

Wanted - MF 35 combine, must be in good condition 215-536-9672.

'68 White T-A dump, 220 Cummins 15 R/R, P/S, A/B runs good \$4500 or best offer. Call 301-838-1470 or after 6 call 717-456-7497.

For Sale - Oliver 550 gas with good rubber 717-733-6717

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MF 550 combine, 43 corn head, 13' grain head. Many extras. Like new. 814-684-3057

1974 Oliver 2255 tractor for sale. 4 WD, Cat engine, 1550 hrs. Bucks Co. 215-343-2444.

NI 214 spreader w/2 beater and litter pan, exc. cond. 717-949-3074

JD diesel tractor model 820, less than 500 hours, bought 1977, including plow, harrow, front end loader, seeder, wheel weights. \$7,000. 215-539-6541 or 215-275-1933

NI loader, good shape, universal mount, came off of 4020 JD. \$495. 717-792-1366.

JD 3010 diesel tractor w/148 front end loader, 2 buckets (5' & 8'), new motor, clutch & battery 302-684-8993 or 302-684-4119

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Oliver 15' disc harrow w/new 20" discs, model 252, \$1600. 609-769-3183

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Custom Bilt double chain wooden conveyors and tapered board feeders. Also flat and hay rack wagons. SAMUEL K. STOLTZFUS, 550 Beechdale Road, Bird-in-Hand, RD #1, Pa.

Wanted to buy - Used Brillion packer/seeder, any cond 717-687-6553 or 687-8021.

JD 630 Tractor 3 pt. excellent condition \$2550 or best offer. Also 3 pt Vannguard wood splitter 2 months old \$600 or offer. 301-795-9631

For Sale - 371 Detroit engine \$1400 Case Vibromax twin roller vibratory roller Model VVW1700. \$3000 or best offer. Best to call before 7 A.M. Berks Co 215-683-7230

Stationary feed mixers built to fit your feed room at a price you can afford. Mix your grains and supplement with 800 lb. mixer. Available with mechanical scales or bigger sizes for total mix rations with electronic scales Up to 75 cow operations, 180 cubic feet. Box built with treated 1" plywood. I.H. Rissler Mfg 215-267-2453

For Sale - Case diesel model 1740 uni-loader. 216-852-4088

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MC5' Corn Chopper NH 56 & 55 Hay Rakes NI 5 wheel rake, like new Farmhand 5 wheel rake NH 30' Elevator NH 268 Baler 717-687-6553 or 717-687-8021

JD 3010 diesel, very good condition; also, JD 4020 diesel, w/ side console, very good condition. 717-532-7054

Combine, 3300 JD, 422 hrs, looks like new 814-926-3669

Manure spreaders, Badger model 205, IHC model 550, Also Sun Master 7' Rotary mower, Chester County. 215-458-5023

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NI 323 Corn Picker \$2750

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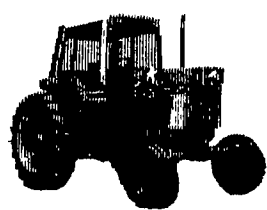
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JD 214 Baler w/thrower

JD 24T Baler w/ejector
JD 24T Baler w/ejector
NI 279 Cut/ditioner

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FOR SALE

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FARM EQUIPMENT

New Long 3 pt. backhoe, 3 pt. snow blower, 3 pt. cement mixer, baker forklift, Arps stump grinder 814-276-3768

1 - IH 1700, 1977, 48,000 miles, 10x20 tires, 5+2 trans & rear, 16 ft. Omaha standard grain bed, hoist, 52" metal sides w/12" extensions. Exc. cond. \$14,000

1 - IH 1800, 1967, 160,000 miles, 10x20 tires, 5+2 trans. & rear, 16 ft. metal grain bed, 48" sides & hoist. Good condition \$8,000

1 - 1965 F600 Ford, 25,000 miles, 8.25x20 tires, 14 metal grain bed, hoist. Good cond. \$3,500

1 - IH 560, 6-16 on the land hitch plow, w/BB coulters, plastic trash plates, good cond. \$750

4 - FMC model 5, 2 row sweet corn harvesters w/a lot of spare parts, \$2,500 for entire lot.

1 - Osborne 3 ton dump cart w/13.4x38 tires, \$500

F.O. MITCHELL & BRO. INC.

Perryman, MD 21130
301-272-3636
301-272-2620

TRACTORS

Ford 6600, Low hrs.
Ford 2600 Gas, PS
Ford 8000 w/dual wheels
Ford 5000 D 8 Speed
Dual Power
Ford 4500 w/Loader & Hoe

Ford 2000 w/blade
Ford NAA 12 Speed
Ford 4500 Loader & 3 pt.
Ford 4400 Loader & 3 pt.
Ford 4000 w/Loader
Ford 801 D PS
Ford 9N w/Loader
Ford 8N w/Blade
IH 666 D WFE
IH 504 G, 3 pt.
IH M w/loader
AC 5040
AC 160D
AC D17 G
Case 630 w/PS
MF 235 G, PS
MF 135 G Live PTO
MF 135D, 8 speed
MF 65 G, PS
JD 3020 D WFE
JD 730 D 3 pt.
Satoh w/Woods mower

EQUIPMENT

IH 50 Bushel Spreader
Woods C80 Mower
Ford 5x16 Plow
Ford 4x16 Plow
Ford Flail Mower
MC Flail Chopper
NH Flail Chopper
Ford Post Hole Digger

KELLER'S FARM
MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

FARM EQUIPMENT



THIS MONTH'S NEW MACHINE SPECIALS

JOHN DEERE 950 12' Roller Harrow
List \$5,025
SPECIAL \$4600

450 Spreader
240 Loader
260 Loader
48 2700 Plow
22A Sub Soiler
51 Post Driver

USED TRACTORS

JD 4020 w/all season cab, air, heater, snow blade \$12,800
JD 2240 w/146 Loader \$12,000
JD 2020 w/47 Loader \$8,500
IHC 574 w/2000 Series Loader \$8,000

Finance waiver available on all "After Season" Equipment

SMITH IMPLEMENTS, INC.

Mercersburg, Pa.
17236
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Hundreds of Wheel and Crawler Tractors, Ford 7000, 8000, 9000, 6000, 5000, 4000, Jubilee, 8N and 800, JD 4020, 4010, 3020 2010 Farmall 1468, 2606, 1206, 806, 856, 706, 656, 544 460, 400, 300, 240, MHA Cub and C. MF 1130, 1100 1080, 180, 165, 90 AC 190XT, 190, D19, D17 D14, CA B G loader Oliver 1955, 1850, 1800 1650, 2150 Case 1030, 930, 830, 800 Deutz 10006, 5505, 5005 Moline, David Brown and Cockshut, tractors w/loaders, backhoes, skid loaders, pay loaders, forklifts, trenches, rollers, road grader, stone rakes, snow plows and blowers, rotovators, large selection of mounted pull and rollover plows, cultimulchers, cultipackers, disc harrows, chisel plows, PTO and ground drive spreaders, roller mill w/mixer, field cultivators, corn shellers, lots of 3 pt. equipment. 5020 JD tractor only \$6900, 445 Long 4 wheel drive tractor, D9G Caterpillar w/blade for pan, hundreds of tractors and plenty of other equipment not listed

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Intersection of Rts. 72 & 283
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I.G. SALES
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Liberty, Pa.
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YORK COUNTY

WAYNE LLOYD
RD 6, York, Pa.
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MARYLAND

TRI-STATE EQUIPMENT
Hagerstown, Md.
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MARSHALL BROS.
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717-324-2251

MAX LIDDIE
Jersey Shore, Pa.
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This year was certainly a challenge for all of us and sometimes in the rush of business, we may forget to say thank you.

Without you we could not exist. We will always do our best to be of complete service to you and to satisfy you.

We do appreciate your business. But most important of all, we wish you and your family a New Year filled with health and prosperity.

Binkley & Hurst Bros., Inc.

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David Binkley - Owner & Parts Mgr.
Leonard Hurst - Owner & Sales Mgr.
Amos Hurst, Jr. - Owner & Service Mgr.

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Amos Hurst, Sr.
Bill Schuler
Gerald Burkholder

SERVICE STAFF

Isaac Hurst - Parts Dept.
Raymond Rutt - Mechanic
Harold Sensenig - Mechanic
Dennis High - Mechanic
Joe Garman - Set Up & Delivery
Walter Martin - Set Up & Delivery

Jan. 1, 1982



LANDIS BROS., INC

1305 Manheim Pike, Lancaster, PA 17601

Phone - 717-291-1046



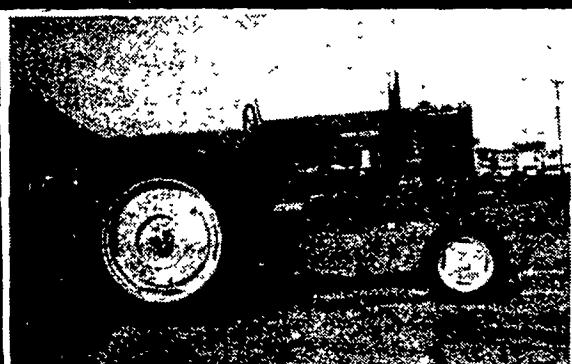
**JOHN DEERE DESIGN, DEPENDABILITY
AND DEALERS MAKE THE DIFFERENCE**

**SPECIAL JD FP WAIVER PROGRAM ON
NEW JD ROW CROP AND UTILITY
TRACTORS UNTIL 6-1-82**

**JDFP WAIVER
PROGRAM ON NEW JD
& USED CORN
PLANTERS UNTIL
4-1-82**

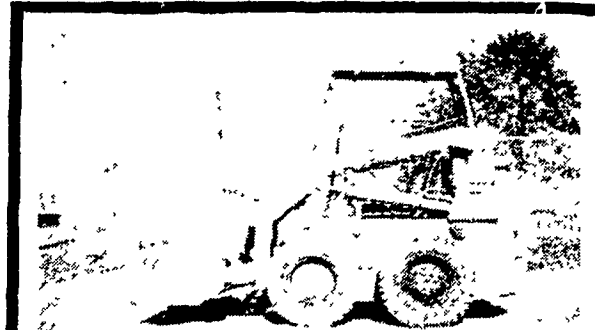
**CHECK THESE SPECIALS — CALL RIGHT AFTER
7 A.M. FOR INFORMATION & PRICES**

**SPECIAL JD FP WAIVER PROGRAM ON NEW
JD SNOWMOBILES UNTIL 4-1-82 NEW JD
COMPACT UTILITY SERIES LAWN AND
GARDEN TRACTORS UNTIL 3-1-82**



**JOHN DEERE 40T
\$1495**

**SAVE NOW
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USED TRACTORS
WITH NO
FINANCE CHARGES
UNTIL MARCH 1, 1982**



**CASE DSL SKID STEER
LOADER w/65 INCH
BUCKET \$5495**

New Tractors

JD 4640 PS, SG	JD 2440
JD 4440 PS, SG	JD 2240
JD 4240 Quad, SG	JD 2040
JD 2940	
JD 2640	

Used Tractors

JD 2240 200 hrs.
JD 4320 w/cab
JD 3010 dsl. RC
JD 1020 Ru Gas w/37 loader
JD 40T
MF 65 dsl.
IHC Cub w/mower
IHC 606 dsl. w/TA

Used Loaders

JD 46A loader

New JD Utility Tractors

JD 750 w/MF WD w/375 Blade
JD 750 Turf T w/272 Mower
JD 650 Turf T w/160 Mower

Used New Idea Corn Pickers

NI 323 w/beater & elev. cover,
used 100 A.
NI 323 w/elev. cover used 300 A.

New New Idea Uni-Equip.

743N 3 RN corn head
713 grain platform

Used New Idea Uni-Equip.

702 dsl. power unit w/cab
705 dsl. power unit w/cab
767 super chopper
768 w/N3 row RC
769 flail mate
762 2R 30" RC

Used Spreaders

NI 206 Gr. drive
NI 207 PTO
NH 327 PTO
JD 54 PTO
NI 213 w/Endgate
NI 214 Flail
NI 218 8½ ton w/Endgate
NI 224 10 Ton w/Endgate

New Corn Pickers

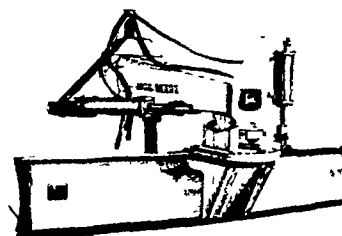
NI 325/327 2-row
NI 323 1-row

New Rotary Cutters

JD 506 5' util. 3 pt.
JD 606 6' util. PT

Used Combines/Corn Heads

JD 7700 w/14' plat.
JD 6600 hydro. w/13' flex plat. &
643-6RN head
JD 444 corn head



NEW JD REAR MTD BLADES

Model	
115	9' Extra Heavy Blade
115	8' Heavy Blade
65	7' & 8' Blades
88	7' & 8' Blades
78	7' & 8' Blades

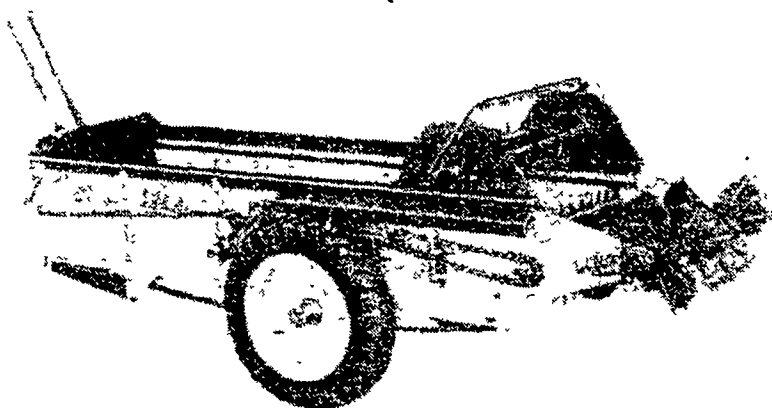


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A business meeting—that's what John Deere Farming Frontiers is. It's a program to dispense news on advances in agriculture, farm management tips pointed at efficiency and productivity, plus a preview of new John Deere equipment designed to help lighten your work load. A program that helps in achieving profit in these uncertain times has got to be a welcome event. Plan now to attend.

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FARM & HOME CENTER
1383 Arcadia Road
Lancaster, PA**

NEW IDEA 95 BU. GROUND DRIVEN SPREADERS



**206 New Idea Spreader Available
With or Without Steel Wheels
For Shipment NOW Order Yours Today.**

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	Was	Sale Price
J.D. '79 Spitfire w/cover	\$1250	\$995
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J.D. '74 600 w/cover	\$950	\$795
JD '73 JDx8 w/backrest	\$1050	\$795
J.D. '73 400 w/cover	\$795	\$675
Polaris '76 TX340 w/cover	\$925	\$795
Scorpion '70 Mark III	\$475	\$350

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Phone - 717-291-1046



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NH 365 Tank
Spreader
NH 518 Spreader

SHOVER'S

Loysville, PA
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12' Rhino Rock Flex
Disc
18' Amco Hyd. Wing
Rock Flex Disc
13' 245 Bush Hog Offset
26" Disc
14' 1439 Bush Hog Disc
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NEW EQUIPMENT
Hesston 30B Stacker
Allen 20' Hyd. Rakes

USED TRACTORS

White 2-70 w/Cab &
Loader
Oliver 1850 D
JD 2510 Gas
Ferguson 20 w/Sauder
loader

USED HARVESTERS

FIELD QUEEN
SIDE DUMP,
Cat Engine,
3 Row
Head & Pickup

NH 1895

Forage Harvester,
4 Wheel Drive,
3 Row Auger
Head and Pickup,
283 hours
Excellent

NI 702 Diesel Uni
NH 890 3R & Pk. Up.
Gehl Recutter Blower
IH 715 Combine, 13'
grain & 3 Row Corn
Head

Fox 3310

USED SPREADERS

NI 224 10 Ton
NI 218 8 Ton
NI 1500 Gal. Vacuum
Badger 1500 Gal.
Vacuum

USED EQUIPMENT

12' Brady Shredder
MF 7B 880 Reset Plow
Ditch Witch Trencher
20.8x38 Snap-on Duals
Hesston 4800 Big Square
Baler
Fg. Wagons, J.D., AC,
Grove, NH
Hesston Stackhand 10 &
30
Fox Blower
NI 728 4RN Head
Gehl 6' Rotary
JD 7' Rotary
White 5400 6R No-Till
Pltr.
AC 6R Liquid Planter
w/No-Till
AC 15' heavy duty Sgl.
Fold Disc
JD 28 Disc Harrow
NI 323 1R Picker
Hesston PT10 Win-
drower
NH 479 Haybine
NI 272 Cut/ditioner
Hesston 320 SP Win-
drower
Hesston 1014 Hydro
Swing Windrower
SS9 Glenco Soil Saver
NI 710 Combine
Hawk Bilt 2155 Roll Top
Better-Bilt Hi-pressure
Vac. Pump
Kools Recutter Blower

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FARM SERVICE

Cochranville, Pa.
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SPERRY

NEW HOLLAND

USED EQUIPMENT

NH 770 Harvester w/2
Row Head
Hesston PT10 Haybine
NH 315 Baler
w/thrower, (Demo)
Loader for AC 160
12' Brady Field
Cultivator w/tine
harrows, like new

USED DISCS

2311 AC
Taylorway 10'

USED TRACTORS

AC 5050 w/Loader, only
98 hrs., like new
Ford Jubilee
Used Lawn & Garden
Tractors w/mowers

NEW EQUIPMENT
AT USED PRICES

Many Models
New Holland
Spreaders

NEW EQUIPMENT

Amco Disc
Bale King Hay Wagons
NH Skid Loaders
Hub Tool Elevators
formerly N.H.
Gleaner F Combine

NEW HOLLAND
MANURE
SPREADERS

EXTRA DISCOUNT

ON NEW AC
TRACTORS
Call for details

AC 7045
AC 5050
AC 7010

BHM FARM
EQUIPMENT INC.
RD1, Annville, PA
717-867-2211



USED EQUIPMENT

JD 4320 Tractor
JD 4440 Tractor
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 727 rotary mower
JD 244 Cornhead
JD 1250 corn planter
JD 214WS Baler
JD 346W Baler w/kicker
NH 273 baler
JD 485 mower con-
ditioner
NH 469 Haybine 9'
JD FB Drill
JD 3800 Chopper
JD 47 loader
Oliver 5x16 Plow
Case-Field Cultivator
IHC 470-17' disc

SPECIAL PRICES ON
NEW EQUIPMENT

Grimm Tedders in
Stock
H & H Bale Bodies

SPECIAL INVENTORY
SALE ON

NEW EQUIPMENT

1- JD 111 - 12 Ft. 10 In.
Disk - \$2895.00
1- JD 1630 - 11 Ft.
Plowing Disk -
\$4,540.00
1- JD 2800 PLOW 5-16" -
\$4685.00
1- JD 2450 - 7-16" PLOW
- \$4,815.00

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Just 3 miles off Rt. 202
(Between Flemington &
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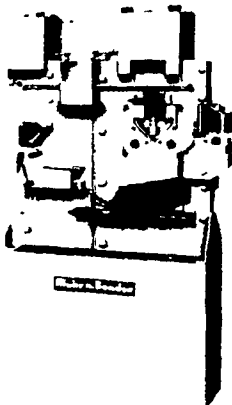
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Happy
New Year

We will be closed for the
holidays Dec. 24 thru Jan. 2nd
Will reopen Monday, Jan. 4th

NEW - USED

MACHINE TOOLS - SHEET METAL AND
METAL FABRICATING MACHINERY



Including
shears
brakes
ironworkers
drills
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combination
shear/brake
saws
punches
and more

Check Our New Low, Low Prices
On Ironworker & Bending Rolls

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One of Largest Stocks of Machinery
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plements, low, low prices,
Eddie's Tire Outlet,
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FARM EQUIPMENT

Gasoline or Diesel Engine
Repair Engines mounted
on equipment. Lom-
bardi Diesels. Custom
made hydraulic units and
air compressors. Benue
Beiler, 242 Pennsy. Rd.,
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WINTER

SHOP SPECIAL

WINTER BALER CHECK UP OFFER

We will go over your baler from top to
bottom to help insure a trouble-free
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2 IH 1066 w/cab
IH 784 w/cab
4 JD 4020 one w/cab
2 JD 3120
2 JD 2130 1 w/cab
3 JD 2120
3 JD 2020
JD 4240, new w/cab
D2 Cat crawler
Jaeger irrigation pump
MF 1080 w/cab
MF 175
New Long 360
w/Loader
New Long traveling ir-
rigation unit

2 Ford 9600, 1 w/cab
Ford 9700 w/cab
Ford TW 10
Ford 8600
4 Ford 5000
Ford 4500 backhoe
Ford 9N
3 Ford 3000
Ford 841
Ford 7/2 A loader
Ford 641 diesel
Roadless 95 4 wh
drive
New Ford 6600

1/4 Mile East of Exit 6 I-81

Happy
New Year



Joyous
New Year

NEW EQUIPMENT

IH 986 Tractor
#10 flail chopper \$3700
Woods rotary cutter, 6' \$900
Winco 25 KW generator w/trailer \$1850
Bush Hog 5' chisel plow \$800

USED EQUIPMENT

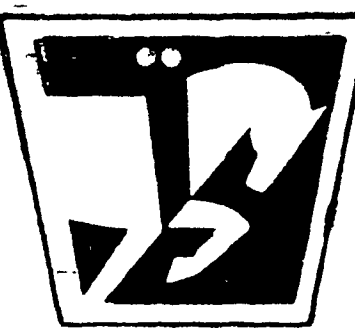
Ferguson tractor
Farmall A tractor
Farmall Super H, \$900
Farmall 460 gas, w/2 MH corn picker
AC gleaner combine model CII 14' grain & 4
row corn head \$7500
IH 674 diesel \$8500
IH 574 diesel utility, low hrs. \$7300
IH 544 gas hydro, new engine \$5800
NH 469 haybine \$2400
IH 400 cyclo planter \$3000
Oliver 5F 16" plow \$1150
Oliver trail plow, 3f trip, \$300
Sheller fSOLD picker \$600
IH 234 corn picker
JD Model 18 corn picker
72" Woods under mount mower \$500
2- IH 990 mower conditioner, \$1975
IH 234 sheller attachment \$1325
Kelly loader \$400
2 IH 550 forage harvester hay & corn head \$2700
IH 540 furrow plow, \$1100
Brillion cultipacker, like new \$950
2000 loader



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all parts
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(1) Used SU 1056 100 H.P. \$3400

★ Will Install In Skid Loaders, Balers,
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LUMBER JACK WOODSAWS AVAILABLE

3 Pt. Hitch, 540 PTO

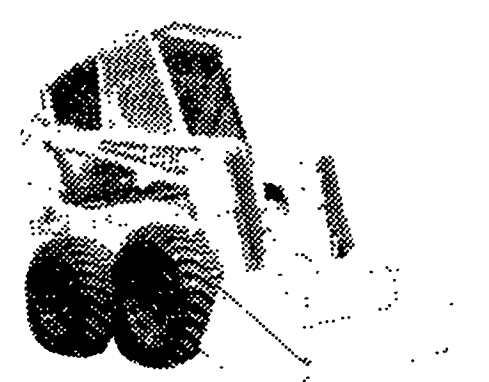
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MILLER'S REPAIR

1 Mile North of Bird-in-Hand
8 Miles East of Lancaster

RD 1, Bird-in-Hand, PA Ph: 717-656-6109

NEW YEAR'S SPECIALS



Hydra-Mac 20C III diesel, skid steer loader, new

Hydrostatic all gear drive, load
capacity 4000 lbs., 66" manure
fork, 68" material bucket \$15,280
Hanson 3 pt. snowblower, 7' demonstrator 1,500
IH 80 snowblower 1,865
Used McKee 8' front mounted snowblower \$1,200

USED EQUIPMENT

IH 656 diesel row crop tractor \$6,500
IH 544 hydro utility 3 pt. hitch 4,900
NH 479 mower conditioner 2,650
IH 990 9' mower conditioner 1,100
IH 350 springtooth harrow 500
IH #55 14 tooth hiclear chisel plow 1,300
IH 455 4 row planter 350
IH #37 baler w/thrower 800
JD 24T baler w/thrower 1,500

NEW ALLIED EQUIPMENT

Amco 10'6" heavy duty disc harrow \$4175
Glencoe 7 shank soil saver \$4750
Amco 18' heavy duty rock
flex disc harrow \$10,700
Glencoe 12'9" soil finisher \$6225
Cagle 7' box scraper \$375
Dunham Lehr #22 loader w/bucket \$2085
Vicon wheel rake \$990
Brillion 12' cultipacker \$1275

NEW IH EQUIPMENT

830 harvester w/grass head &
3 row crop unit \$11,950
720 Harvester w/grass head 5,695
530 spreader 145 bu. capacity \$2250
595 spreader tandem axle 325
bu. capacity \$6595
730 4 furrow automatic adjustable
width plow \$6650
1250 grinder mixer \$6225
56 blower \$1825
784 diesel tractor w/T.A. \$15,750

Service Special

All work performed in our
service center through January.
10% discount on IH parts used.

We ship parts by UPS daily



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SPECIAL HONDA ENGINES

3.5 H.P. 5 H.P.
\$210⁰⁰ \$240⁰⁰

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Dealer prices on request
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or 215-273-3050

FARM EQUIPMENT

FARM EQUIPMENT

USED TRACTORS

JD 4430 w/Cab Ferguson 30 w/
JD 2840 Snow Blade
JD 2640 w/Loader IH 300 w/Loader
JD 2240 w/Loader MF 135
JD 1520 w/Loader Ford 3000D

USED EQUIPMENT

JD 6620 Side Hill Combine w/6 Row Corn Head
New Idea 10-Ton Spreader
JD 1240 Corn Planter
JD 7000, 6 Row, Regular



SHOTZBERGER'S EQUIPMENT

Elm, Pa.
Phone: 717-665-2141

END OF YEAR SPECIALS

Ford 6600 diesel, big rubber, 1100 hours, like new cond.
Apple stalk chopper, good cond.
Thrower for 273 baler, late style
New 5' Bush Hog Rebel model, only 1 left, list \$750, our price \$595
Minn-Moline model D corn sheller, PTO good cond.
NI 751 hay conditioner, nice
NH Super 26 blower, ex.
Oliver 2-16 Raydex plow, latter lift
NH 310 baler w/thrower, like new
JD 660 rake w/dolly wheel, excellent
NI 214 spreader, extra clean, exc. cond.
Pollard wheel rake, new teeth Brady hay conditioner
IH #9 grass mower, excellent
NH 258 rake, brand new
NH 477 haybine, nice
New 3 pt. wheel rake
New 6' bucket to fit Swartz or Oliver manure loader
Brillion cultimulcher 9' & 10' both w/4" axles
New Kubota 2x12" 3 pt. plow, special price
Peak Anti-freeze \$3.99/gallon or \$3.95 by the case
Cash and Carry Sales and Service on farm tires

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Hollinger tractor co.

749 Rothsville Rd. Lititz, Pa. 17543
717-626-1120 or
Lee Dull (Res) 717-949-3451

CRAWLER LOADERS

Cat 955 12A \$6,500
AC HD 6 \$4,500
JD 420 Gas, as is, needs work \$2,500
Case 350 \$7,500

BACKHOES

Case 580
Ford 3500 Tractor Loader Backhoe
IHC 3444 Tractor Loader Backhoe
Ford 4500 Tractor Loader Backhoe dsl. w/cab \$8,500

CRAWLER DOZERS

HD11B w/blade \$7,500

TRAILERS

Patsco 25 ton drop deck, tandem axle \$4,500
Drop Deck, single axle, good \$2,000
1978 General 10 ton w/tandem axles, like new \$6,000
Trailmobile 25 ton Lowboy Trailer Tandem Axle \$6,500

TRUCKS

B-61 Mack Dump Truck \$2,500
1967 10 wheeler dump w/238 Det. \$7,500

RUBBER TIRED PAYLOADERS

Hough 30 \$6,500

ROLLERS

Rosco 1 ton \$1,800

MISCELLANEOUS

(2) Winch to put on truck-tractor Make Offer
Winch to fit JD 350 \$1,850
Riding Sweeper \$950
Snow Plow for Ford Tractor
Misc. Backhoe Buckets

NEW TRACTORS

JD 750
JD 950
JD 1050
JD 2440
JD 2940
JD 4440
JD 125 Ski Steer

NEW MACHINERY

1 - Century 300 gal. sprayer \$3975
JD 445 Spreaders N/T \$4500
1 - JD 660 Spreader N/T each \$8595
2 - JD 680 Spreaders N/T
JD 235 17' Disc
JD 235 19' Disc
JD 1207 Mower Conditioner
JD 1209 Mower Conditioner
JD 1250 Plow 3x16 \$1800 N/T
JD 1250 Plow 4x16 \$2450.95
3-JD 336 Spring Tooth Harrows No Trade each \$995
JD 7000 Conservation Corn Planters 4R & 6R

USED MACHINERY

1974 IH 100 Hydro Tractor Motor overhauled March 1981
2-Chisholm Rider Bean Harvesters w/656 IHC Tractor each \$6,000
IHC 400 4R Planter \$3500
IHC 400 6R Planter \$3500
JD 2840
JD 145 Plow, 5B 16" \$1800
JD 24T Baler w/#30 Thrower \$2725
2-18x4x30-8 Ply Tires and wheels for Gleaner Combine
JD 800 SP Windrower \$3500



WALTER'S SALES AND SERVICE

RD 2 Mifflinburg, Pa.
717-966-3778
JD Agricultural Dealer and CP

TRACTORS

Farmall H, good shape
AC D14
Ford 901 PS/3 pt. new tires
IH 560 gas fully equipped, real sharp
VAC Case w/wide front (3) Farmall M from 1850 to \$1450

MISCELLANEOUS

Disc, plows, mowers, balers, wagons, rakes, harvester grain bins, harrows, pickers, & loaders.
NH 1469 self propelled haybine w/cab \$2500
NH 40' elevator
IH 700 7 btm. 16" plow \$1200
IH 5 btm plow 16' \$750
JD 5 btm plow 16' \$975

COMBINES

MF 35 SP 8' cut
MF 300 \$2000
MF 300 w/cab \$2500
MF Super 27 Clean \$850
MF 410 grain head, nice \$950
AC 66 pull

DISMANTLING TRACTORS FOR PARTS

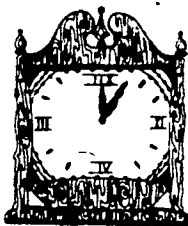
JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H. & M. JD A, B, 50 & 60. AC WD & D17 Oliver 70 & 77. Ford 8N & 860. Case SC & V.A.C. Massey 44D, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler.
Dismantling 100 combines and 50 pickers for parts

KEITER'S FARM MACHINERY

R.D. #1 Halifax, PA 17032 Rt. 225 20 mi. from Hbg.
Phone: 717-362-9574

HAPPY NEW YEAR FROM ALL OF US IN THE PARTS DEPARTMENT

PARTS MANAGER - RICHARD BOMBERGER
ASST. PARTS MANAGER - ROY WEAVER
ASST. PARTS MANAGER - JOHN STONER
O.P.P. PARTSMAN - DAN BEILER
PARTSMAN - KENNETH BEILER
PARTSMAN - ALFRED YODER
PARTSMAN - LEONARD GROFF
PARTSMAN - JIM OSWALD
PARTS CLERK - HENRY ESHELMAN
STOCKMEN - CLARANCE, JIM, JOHN



OUR PLEDGE FOR 1982 — MORE FRIENDLY SERVICE WITH QUALITY AT A RIGHT PRICE.

(WATCH FOR OUR MONTHLY SPECIALS)



United Parcel Service

C.B. HOOBER & SON INC.

INTERCOURSE, PA

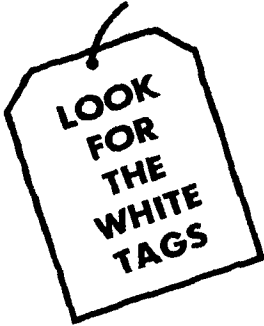
717-768-8231

★ CALL US - WE PROBABLY HAVE IT ★ WILL SHIP SAME DAY VIA UPS-PPSH-BUS-AIR FREIGHT-ETC.

Visit Us At The PENNSYLVANIA FARM SHOW

STEIGER
BOOTH 48 - 49
and
INTERNATIONAL HARVESTER DISPLAY



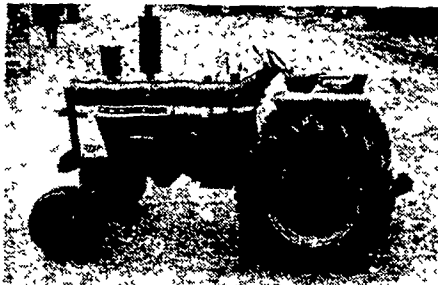


YEAR-END SALE

FROM DECEMBER 19 to JANUARY 16, 1982
OUR LOT OPEN FOR INSPECTION EVERY DAY.

WE WILL BILL
IN 1981 OR
1982, WHICH-
EVER YOU NEED
FOR TAXES

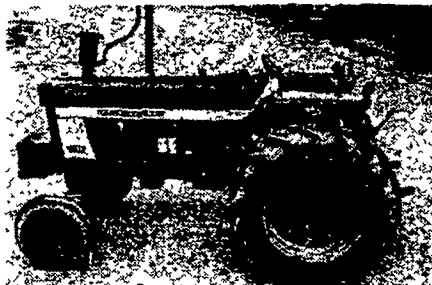
USED TRACTORS



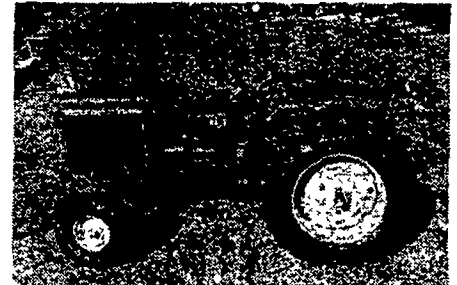
7169 - IH, F806D, 18.4x34 Tires, TA



6432 - IH, F1586D, 20.8x38 Tires, Cab w/Air



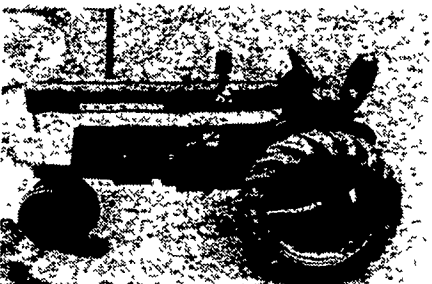
7168 - IH, F1066D, 18.4x38 Tires



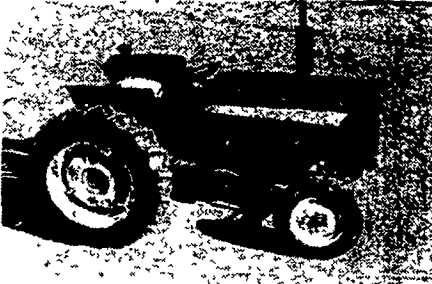
7025 - Deere 4620 Diesel, 20.8x38 Tires



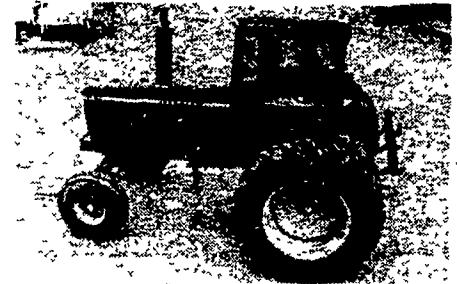
7061 - Case 430 Diesel, New Paint, Reconditioned



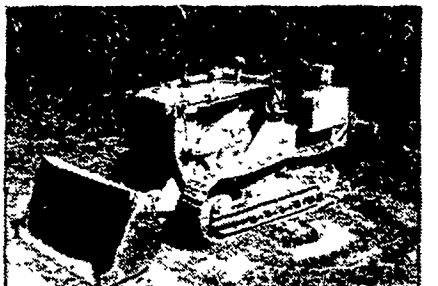
7080 - IH, F560 Gas



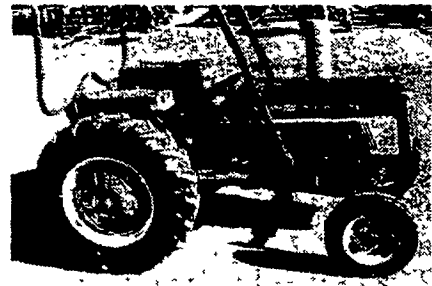
6999 - IH, 444 Diesel, Gear



7009 - Deere, 4630, 20.8x38 Duals, Cab w/Air



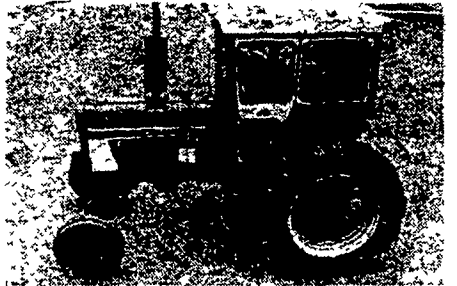
6526 - IH - 125C Crawler Loader



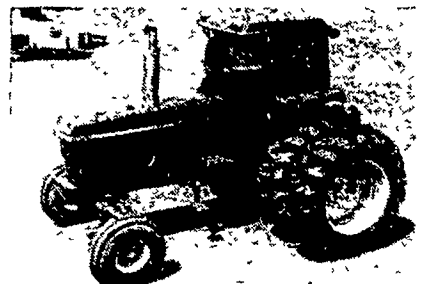
6998 - IH - 574D, Row Crop w/ROPS



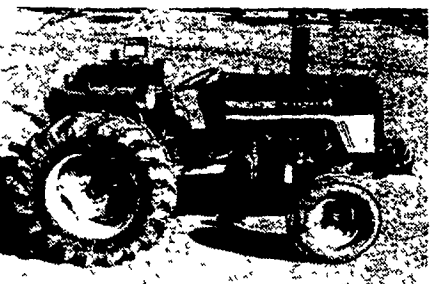
5583 - IH - F806D, 18.4x34 Tires, TA



6879 - IH - F686D, Year-A-Round Cab, 968 Hours



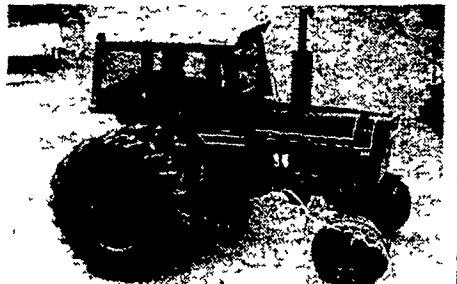
6895 - Deere - 4630, 20.8x38 Duals, New Engine



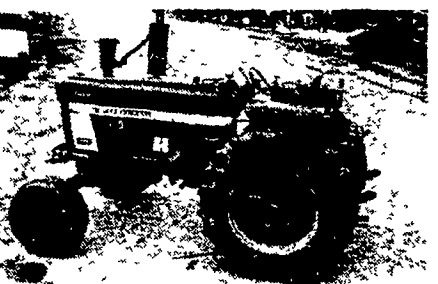
6934 - IH - 574D Utility



1709 - Deere 4620 D, Yr-A-Rd Cab w/Air



6562 - IH - F1566D w/Cab & Air, Dual 20.8x38



7078 - IH - F1066D, 20.8x38



5972 - IH - F986D (Rental) Special Price



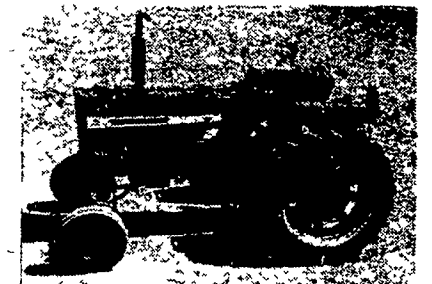
6530 - IH - F1066D, Cab, 20.8x38



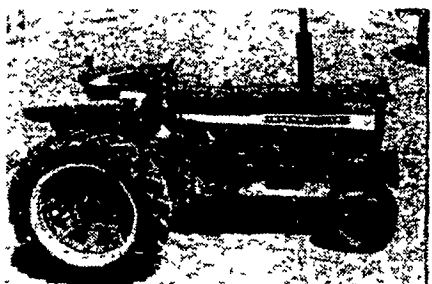
5742 - IH - 915 Diesel Hydrostatic



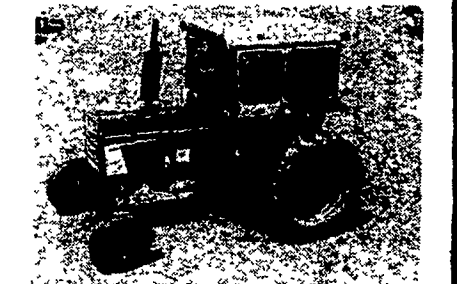
6081 - (New) IH - 4125 Skid Loader, 23 Hours



6702 - IH - F544 Diesel, Hydro., Completely Reconditioned



6186 - IH - F656 Diesel, Hydro



6879 - IH F 686D, Gear, Cab w/Heat

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**HOOBER PARTS
& SERVICE**

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C. B. HOOBER & SON INC.

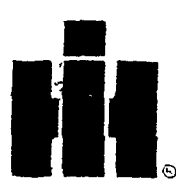
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ALL OF OUR USED INVENTORY AND MOST OF OUR NEW ARE SPECIALLY PRICED ON WHITE TAGS. MANY PRICED BELOW WHOLESALE. STOP IN AND LOOK AROUND.

WAIVER OF FINANCE AVAILABLE ON MOST NEW & USED ITEMS

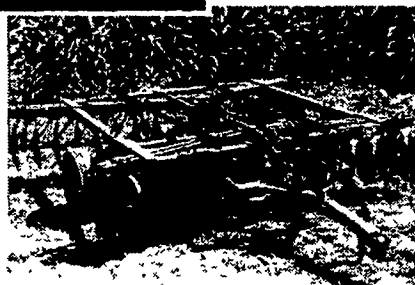
USED TILLAGE



7191 IH - 500 Disc Harrow, New Blades & Bearings



6933 Deere 220 Single-wing Disc, 18', w/mulchers



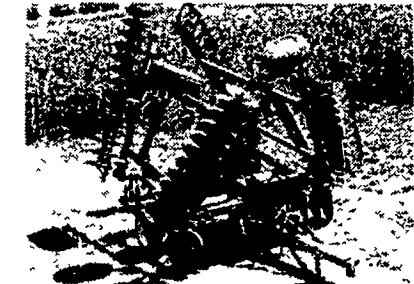
6722 King - 12' Rock Disc, Notched Blades



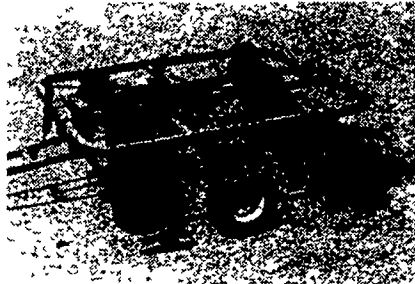
6449 Krause - 1425 Rockflex Disc, 21'



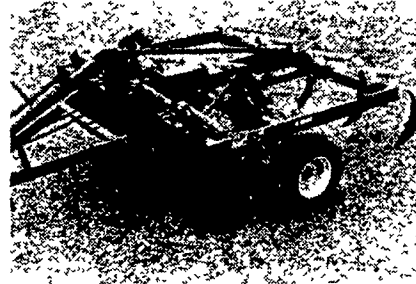
6720 Sunflower - H2-14 Offset Disc, 14'



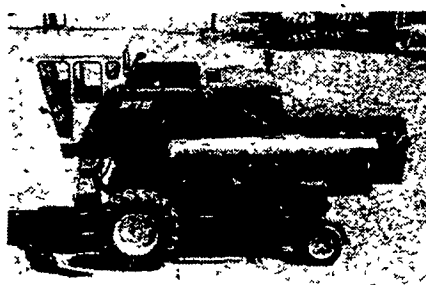
6021 Krause - 1928 Rockflex Disc - 25'



6651 Deere - 210, 11' Tandem



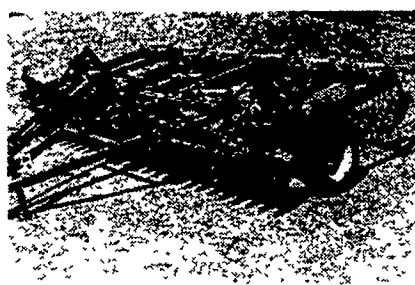
7026 Glencoe Soilsaver - 7 Shank, Like New



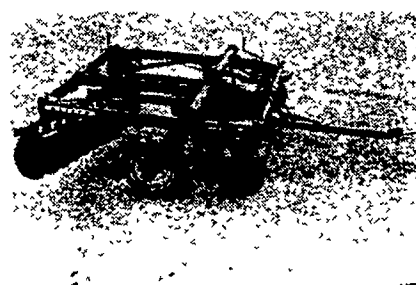
6098 - NH - 975 Gas, Gear, Cab w/Heat



7157 Sunflower - H2-12 Offset Disc, 12'

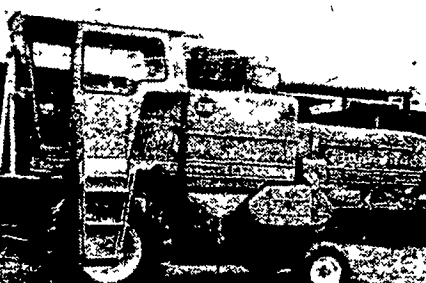


6493 Glencoe Soilsaver - 11 Shank

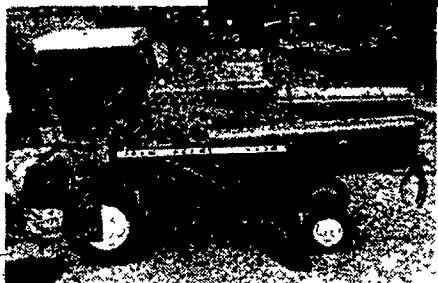


6533 Oliver - 12' Disc

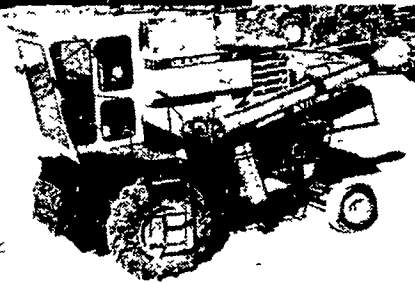
USED COMBINES



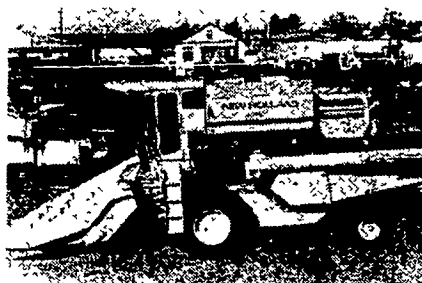
7222 MF, 510 Diesel, Hydro, Cab w/Air



7223 Deere, 3300 Diesel, Gear, Cab w/Air



7158 AC, Gleaner FKS, Gas, Gear, Cab w/Air



7098 NH, TR-70 Diesel, Gear, Cab w/Air

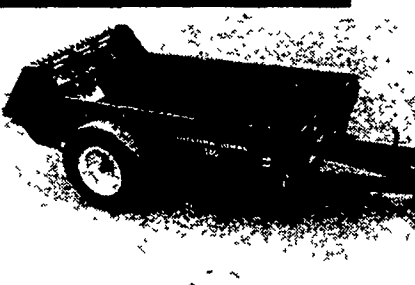
USED MISCELLANEOUS



6975 IH, #10 Grain Drill, 16x7, Single Disc Opener



6754 IH, 110 Forage Box w/roof, 8 Ton Gear



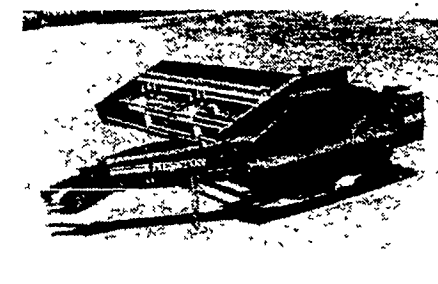
7181 IH, 540 Spreader w/Upper Beater



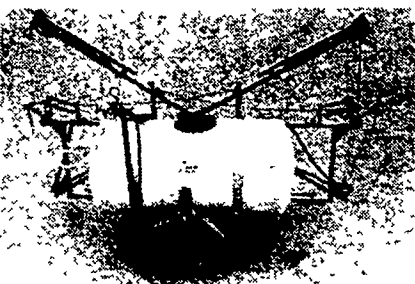
7044 NH, 353 Grinder-Mixer, 540 PTO



6495 Lely, WGR Spreader - Reconditioned



6743 Hesston, 1090 Mower Conditioner, 9'



6981 Century, 150 Gallon, 3 Point



7074 Bearcat, 72A Flail Chopper

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**IRRIGATION
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- Case 430
- David Brown 990 w. Loader
- 990 David Brown
- David Brown 1410
- White 2-105 Tractor
- AC 175D Tractor
- AC "B" Tractor
- C Farmall tractor with Cultivator, Corn-planter & Snowplow

LOADERS

- Case 1537 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- 1845 Diesel Uni-Loader

TILLAGE

- Case Disc Harrow, 10'
- MF 12 Ft Spring Tooth Harrow
- Oliver 2 Bot Trailer Plows
- JD 10' Cultipacker
- Used Cultipacker
- Brady Chisel Plow

HARVESTING EQUIPMENT

- Gehl 600 Harvester, 2 Row Cornhead and Pickup Head
- NI Unisystem 701 Tractor
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 727 Husking Bed
- NI 323 1-Row Corn-picker
- NI No. 10 1-Row Corn-picker
- NI 2-Row Cornpicker
- Int. Mtd. Picker, 2 Row
- IH 550 Harvester w/Pickup
- JD No. 25 Harvester
- Case 300 Harvester
- JD Chopper
- NH 717 Harvester w/Pickup
- NH Forage Blower

HAY EQUIPMENT

- NH 469 Windrower
- Hesston 1014 12' Windrower
- Hesston PT 10
- Dump Rake
- 3 pt. Hookup Mower
- Bale Thrower Wagon
- JD Hay Rake
- NI Hay Rake
- NH 66 Baler

MISCELLANEOUS

- Ford 4-Row Corn Planter
- JD 2-Row Planter
- JD 494 Corn Planter 4-row
- IH 400 Corn Planter, 8 Row
- 10 Used Spreaders
- NI 17 Spreader
- NI 224 10-ton Spreader
- Potato Grader
- Dump Wagon
- IH Weigh Mixer

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- 1200 Bu. Corn Crib
- NI 456 Round Baler

Case

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We have on stock a semi and liquid manure spreader that does a good job of spreading at a very low cost

530 gal. **\$1495**
650 gal. **\$1560**

guaranteed 1 yr.

This is an exceptionally easy pulling spreader. Try mine on trial.

2% Cash Discount

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USED TRACTORS

AC 7030 w/cab, (2)-7000 w/cab, (2)-200 w/cab, (2)-XT 190, (3)-185, (2)-175, 170, 160 w/loader, 5040, 5040 w/loader, (7)-D-17 gas & diesel some w/3 pt., D-15 gas 3 pt., D-15 gas snap coupler, D-14, D-12 high clearance w/cultivator, WD 45, B w/2 way plow
Ford 9600, 8000, 5000, 4000, 3000, 2000 w/loader, NAA w/loader, (4)-8N JD (2)-4020, 3020, 620, 2640
IHC (2)-544D, (2)-574 w/loader, 560 D, 504, B 275D, 340, 240, 230, 140, Super MTA, Super M, Super C, Super A, Super AV, 4 cubs
Case (2)-430, 530D MF (2)-235D, 135D w/188 hrs., 165D, 38" tires w/loader, 35, 50

CHOPPERS

NH Super 717-770, NH 1 row snapper head

Hesston 7020

FORAGE BLOWERS

NH 25, 27, 28

JD Kools & AC

BALERS

(2)-JD 336

w/throwers

NH 320, 273, 268

w/throwers

MF 12

Hesston 4500, 4600

CORN PICKERS

NI 323 1 row, (4)-NI

325 2 row narrow,

(2)-324 2 row

wide, 8 & 12 roll

husking beds. 314

& 329 Super

Sheller at-

tachments.

(2) IHC 1 PR 1 row

New NI Liquid

Spreader, 800 gal.

only \$3975

The Solution for your pickup truck with rustal out boxes. - New Lamco pickup stake body. 8' long side boards & drop tailgate. Now in stock. Priced at \$395.

MANURE SPREADERS

NI 95, 135, 165, 200 bu. spreaders, ground drive & pto.

JD 40

Hawk 157 tank

Starline 145 bushel

New Starline 200 bu.

tanks at old

prices.

Martin Scavenger

NI liquid

NH 366 tank spreader

left hand

MOWER CONDITIONERS

NH 489, 479, 478, 477

Hesston 1090 pt 10 &

pt 7

JD 1209, 1207

NI MC 7' & 9' cut-

ditioners

Large assortment of

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des & front end

loaders.

Call for your needs.

New & Used 3 pt.

snow blowers &

rear blades

New double ring

tractor tire

chains, car &

truck chains

USED INDUSTRIAL

Log Skidders: JD 440

B, tree farmer C-

5D, Prientice log

loader

Bull dozers: JD 350

B, 450C w/6 way

blade. AC H-3, 4,

HD4, 653, IHC

500C w/6 way

blade & winch

Crawler Loaders: JD

350 C, AC HD-3,

HD-4 & 655

Backhoes: AC 615,

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skid steer loader

backhoe avail-

able.

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racks

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hogs in stock

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Brillion cultipac-

ker/seeder. Ea-

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5050 tractors, 2 & 4

wheel drive

models.

Just received a Ford

6600 dual power,

IHC T-6 Crawler

w/blade, Hesston

5800 round baler,

JD 158 loader

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MARSHALL MACHINERY, INC.

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5 miles east of Honesdale on Rt. 652

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Sales & Service AC, NI, Hesston, Kubota

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FARM EQUIPMENT

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\$17.50 each

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3,000 gal. liquid manure tank

1,500 gal. vacuum tank

205 Bushel Manure Spreader

Forage Wagons

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Also:

Registered Holstein Bulls

SHOW-EASE STALL CO.

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SPRING HARROWS
8' 9' 10' 12' Wide

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Spring Harrow teeth for J.D. Spring Harrow Points for J.D. & Mc. We have parts to rebuilt J.D. Spring harrows

Vicon Seeder & Fertilizer Spreader. Vicon Rake & Tedder 20" Disk Blades PTO Yokes & bearings PTO Shafts made to size Manure spreader web chain Roller Chains & Sprockets Honda Engines

Little Britain Welding Shop

Amos N. Stoltzfus

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Nottingham, Pa. 19362

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OF THE MONTH

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\$9900

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PA 19344



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NH 256 Rake \$1095
Starline 810 Flail Spreader \$775
(2) NH 518 Spreader w/hyd. endgate \$1600 to \$1750
NH 331 Spreader \$295
JD 44 Spreader \$450
IHC 550 Fg. Harvester w/pickup & 2R Adj. Heads \$895
NH 717 Forage Harvester
NH 880 N3, R2 Cornheads
NH 479 Haybine \$2775
MF-NI Mower Conditioner \$1195
NH 269 Baler \$1150
NH 273 Baler \$1750
IHC 37 Baler & thrower \$875
NH 269 Baler w/thrower \$1650
JD "60" PTO Blower \$475
Call for prices on other equipment

SPECIAL PRICES ON NEW

NH 782, 892 Harvesters and Heads
NH L35, L325 Skid Loaders
NH 310 & 320 Balers
NH Mowers, & Rakes
NH 474, 489 Haybines
NH 14, 230, 234 Wagons
NH 513, 800 Flat Bed Spreaders
3200 gal. Spreader with injector

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BRUBAKER**

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700 Woodcrest Avenue, RD3, Lititz, PA

206 GROUND DRIVE
SPREADERS
IN STOCK

USED EQUIPMENT

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Case 930
Case 1070 D
Case 1370 C-A-H
Ford 4000 G
IH 660 D
IH 1066 Hydro
MF 2135 Turf
AC 7040 C-A-H
AC 7080 C-A-H

DB 1200 D
MM Jet Star 3 diesel

LOADERS

Case 380
1530 Uniloader
Uniloader Broom
1830 Uniloader
1845D Uniloader

UNI-SYSTEM

701 Power Unit
702G w/combine
767 harvester
762 row crop
760 hay pickup
730 4RW Head

NEW IDEA

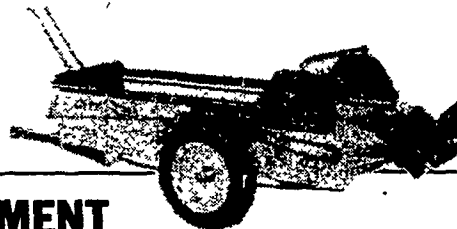
Manure Spreaders
212, 213, 214,
224, 218
325/314 picker sheller
325/327 Picker
329 Super Sheller

FORAGE

Gehl 600 harvester
J.D. 65 blower
N.H. 1880 SP

MISCELLANEOUS

Ford 101 plow
Hesston PT 10
JD 12' Disc Harrow
NH Lime Drill
Littiston 6' Mower



A.L. HERR & BRO.

PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521



FARM EQUIPMENT

For Sale - Int. 806 diesel, 3 pt. wide front, 18-4-38 rubber. 215-683-5283.

For Sale - Oliver 2 bottom 12" or 14" Radex plows. JD KBA 20 and 24 disc., 8" or 9" cultipackers or sprocket packers. 717-687-6553 or 717-687-8021

For Sale - N.I. E-Z Flow fert. Spreader; IHC fast hitch 4 bottom 14" plow (new bottoms). 717-687-6553 or 717-687-8021

FARM EQUIPMENT

New and Used Chain Saws For Sale - used saws as low as \$29.95 large selection. WES STAUFER, Ephrata, Pa. 717-738-4215.

Wanted - 2800 JD on land plow. 703-721-2643 after 6 P.M.

For Sale - 7 1/2 foot Western snowplow, electric lift, very good condition, was on Ford F-250 pick-up \$450 or best offer. Phone 717-933-8676.

FARM EQUIPMENT

For Sale - MF 265 diesel, high clearance, with new rubber. 717-733-6717

For Sale - 207 Hawkbit tank spreader, like new \$2650. JD 9' Haybine \$825. Northern Baltimore Co., Md. 301-374-6024

Leyland 384, 1800 hrs. excellent. Case 1412 like new., IH 300 low profile. IH 12' haybine, pull-type. Dion forage wagon. Dion running gear 12 ton 20" tires. 717-942-4244

FARM EQUIPMENT

Combine, Harvester and Corn Head Parts For Sale off used machines. Wenger's. 717-866-2135.

Chisholm Ryder snap bean harvesters w/hydraulic dump wagons, reconditioned and painted, 609-769-3183

FARM EQUIPMENT

Wanted - IHC electrical generator, 110-220V for Farmall MD or 400D. 301-972-4437, 301-972-3125 collect. Montgomery Co., MD.

Wanted - Year-round cab for 4020 tractor. 717-463-3511 or 436-2235.

NEW LEADER Lime & Fertilizer Spreaders

HI-WAY Cinder Spreaders - All Types

FRINK & VALK Snow Plows

ANVILLE BODY CO.

P.O. Box 217, R.D. #3

Annville, Pa. 17003

Phone 717-867-4631



Happy New Year

The Man in the Moon is making a point of sending best wishes!

COMBINES

1974 JD 4400 Dsl., Cab & Air, Choice of Heads
1973 JD 4400 Diesel, Cab, Choice of Platforms
1975 JD 6600 Diesel, Cab, AC, Very Good, Choice of Heads
GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES

TRACTORS

JD 4520 D, Cab, AC, Power-shift
JD 44 (SOLD) Cab, Air, Quad Range w/20:38 Tires
JD 4430 4 Post RG, Quad
JD 4320 Dsl. RG Cab
JD 4320 Dsl.
JD 4 (SOLD) Cab, Air & Quad
JD 4230 Dsl.
JD 4000 Dsl. WFE
JD 4020 Dsl. WFE
JD 3020 Dsl. WFE Power Shift
JD 2020 (SOLD) RG, 15.5 & 38 Tires
JD 2 (SOLD) Hi-Low
JD 1530 Diesel
JD 300 Dsl. w/Loader 3 Pt
JD 820 Diesel Utility 500 Hrs.
IH 1566 Diesel, Black Stripe, Cab & Air
IHC 1466 Dsl. Cab, Air, Dual PTO
IH 1256 D WF
IH 1066 Dsl. Cab & AC
IH 1066 Dsl. WF Very Nice
IH 966 Dsl.
IH 886 Dsl. Cab & Air Very Nice
IH 766 Dsl. WFE
IH 756 Dsl. WF, 16.9x38
IH 856 D., WF, w/Turbo
IH 856 D. WF w/Fast Hitch 38" Rubber, Very Nice
IH 806 Dsl., WF
IH 460, Fast Hitch
AC 220 WF, Cab
AC 200 WFE & Cab
AC 180 Dsl. WFE
Oliver 1850 Gas Tricycle
Oliver 1850 Dsl. WFE
Ford 5000 Dsl. Very Nice
Ford 8600 Dsl. Cab

BALERS

JD 346 Wire w/Bale Chute or thrower
(3) (1) JD 336 Twine w/Thrower
IH 440 w/Thrower Very Nice

MISCELLANEOUS EQUIPMENT

(2) JD16A Flail Choppers
JD B Grain Drill, 16 opener with grass seed
MF 235 Loader w/valve control
JD 58 Loader w/large materials bucket
20' Speed King Wheel Harrow
IHC 18-38 & 18-34 Duals
NI and JD Wide or Narrow 2 row Corn Pickers

GUNTHER HEUSSMAN INC.

So. 5th St., Emmaus, Pa. 18049 215-965-5203

CORN HEADS

IHC 820 15' Flex Head, like new
AC F430, G430, C#430
AC KF330
JD 243, 244, 343, 443, 444, 643

PLOWS

IH 540 4x16
IH 710 5x16 spring reset
IH 710 4x18 spring reset
IH 720 6x16 spring reset
JD 1450 5x18
JD 2500 5x18 sp. reset
JD 2500 7x18 sp. reset
JD 350 5x16 hyd. reset
JD F 145 4x14, 4x16 & 5x16

DISCS

JD 12'-14'-18' BWF Rock Flex Disc
JD 12' AW Disc
JD 12' Roller Harrow
JD 230 Hyd. Fold 22' w/ Leveling Bar
Bush Hog 1438 Heavy Duty 18' Wing Fold

HEAVY DUTY DISCS

Hutchmaster 12' offset
Rhino 11' Flex

CORN PLANTERS

IHC 400 Air 4R dry fert. and insect., very nice
JD 7000 4R narrow, dry fert. insect. (SOLD) coulters and monitor
JD 7000 4 R Narrow Dry Fert., & Insecticide
JD 1240 4R Plateless, liquid fert. insect.
JD 1240 4R Plateless dry fert. double disk openers, insect.

MOWER CONDITIONERS

NH 467, 477 7 foot
NH 479
JD 1209



USED EQUIPMENT

Tractors

Farmall A
Farmall C
Farmall M
IH 240
IH I-656 Gas Hydro
IH I-484 Diesel
IH F986 D
IH F504
IH F560 Gas
IH F1256
IH F300 Gas
JD Cyclone B
MH Pony Outfit with Hydraulics
Ford 8N
Oliver 88D
Bobcat 520 Skid Loader
Plows
IH 550 5-Bottom
IH 531 3F
IH 700 6F Auto. Reset
IH No. 8 Trailing
3F Trailing Plow
Fast Hitch 2 way
MF 3F 16" Mounted
MF 5F 14" Mounted
JD 3F 16" Mounted
JD 4F 14"
Oliver Chisel Plow
JD F125 3F
Ford 5F 18"
Tillage
IH 122 Mtd. Disk Harrow
Lely Power Harrow
MF 3 pt. Disk Harrow
McConnel 20' Spring Tooth Harrow with Transport
JD 10 Ft. Roller Harrow
Dunham 10' Culti-mulcher

Pickers

IH 2 ME
IH 2 MHD
NI 2-Row Mounted
NI No. 10 Cornpicker

Planters & Drills

IH 500 Planter, 6 Row
Pittsburgh 4-Row 3-pt. Cultivator
IH 251, 2 Row Mtd.
IH 400 Cyclo 4 Row
JD 494 Planter
JD 1240, 4-Row
JD 13x7 Drill
JD FB 1778 Drill, 17x7
JD 1250 Planter
MF 468 4-R Planter
Oliver 17x7 Drill

Forage Equipment

IH 16 Harvester w/2 Heads
IH 550 Harvester w/2 Heads
IH 650 Forage Harvester
IH 50 w/PTO Drive
IH 2 Row Wide Row Crop Units
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD 16A Flail Chopper
IH 5 Flail Chopper
IH Hay Pickup 550/650
AC 780 Harvester
Fox 546 Harvester
NH 717
IH 42 Blower
IH 56 Blower
NH 25 Blower
Kools Blower

Miscellaneous

NI EGT 100 electric garden tractor
IH 20 Loader For Super C
IH 85 riding mower
IH 147 Cadet w/Mower
Sears 6 HP riding mower
Snow Blowers For Cadets
IH 530 Spreader
NI Spreader
MF 205 Spreader
Waldron Dozer Blade w/IH or JD Mountings
JD Post Hole Digger
Sunmaster B90 Mower
Woods Cadet 60 Mower
Woods RB7 Blade
Woods M5 Rotary Cutter
Walsh 300 Gal. Sprayer
IH 40 Spreader
IH 580 Spreader
IH 550 Spreader
Badger 205 Spreader
Starline 950 Spreader
JD Tank Spreader

Combines & Cornheads

IH 127
IH 810 15' Grain Head
IH 227 Corn Head
IH 429 Corn Head on 403
IH 844 Corn Head

Hay Machines

NI 402 Rake
IH 430 Baler
IH 46 Baler w/Thrower
IH 37 w/thrower
IH 420 Baler w/Thrower
IH 10 Bale Thrower
IH 27V Mower
IH 27 Mower
IH 100 Mower
IH 115 Mower
IH 990 9 Ft. Mower Conditioner
IH 1190 Mower Conditioner 9 Ft.
M.C. Rotary Scythe
Kubota 60" Mower
JD 660 Rake
JD 2 pt. Mower
JD Hay Tedder
Myers Hay Crusher
NI Mower
NH 67 Baler
JD 214 Baler

This Week's Special...

DEMONSTRATED WALDRON BLADE

Front Mounted for 100+ HP JD or IH Tractor...

\$2,250

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RD 1, Myerstown, Pa.
Located 1 Mile S. of Int. 78 & 6 Miles
N. of Myerstown on Rt. 645 in Frystown
PHONE: 717-933-4138
Area Codes 215 & 717
Call Toll Free 1-800-692-7467

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CYLINDERS • JACKS
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80 years tractor history, 118 full colour photos 183 pages \$11.95

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100 years steam power covers development of engines and machines to help break Prairie lands, etc., 103 full colour photos 184 pages \$11.95

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ALL TRACTORS & SERIAL NUMBERS UP TO 1980 EQUIPMENT STATIONARY ENGINES and trucks are covered 2000 photos 416 pages Hard Leatherette Cover \$26.95

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SALES DAYS

■ PARTS ■ NEW EQUIPMENT
■ GOOD USED EQUIPMENT

DECEMBER 28, 1981
THRU
JANUARY 8, 1982

Mon. Thru Friday 7 A.M. to 5 P.M.
Saturday 7 A.M. to 12 Noon
Closed Dec. 25, 26, Jan. 1

MF 7 PIECE SCREWDRIVER SET

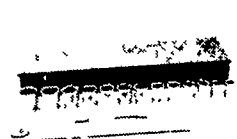


All tools have a full, Lifetime Warranty

- Contents - Seven Screwdrivers
- 4" round blade
 - 6" round blade
 - 8" round blade
 - No. 1 Phillips
 - No. 2 Phillips
 - Stubby Screwdriver
 - Pocket Screwdriver
 - Plastic Tray

SALE... **\$9.95**

MF 15 PIECE 3/4" DRIVE SOCKET SET



Contents - Thirteen Regular Length 12 Point Sockets (7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2", 1 11/16", 1 3/4", 2") Ratchet, 8" Extension & Sturdy Metal Box

SALE... **\$95.95**

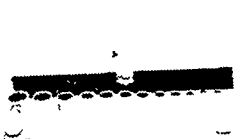
MF 14 PIECE COMBINATION WRENCH SET



Contents - Fourteen Combination Wrenches (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4") and Tool Roll.

SALE... **\$73.45**

MF 14 PIECE 1/2" DRIVE SOCKET SET



Contents - Twelve Regular Length 12 Point Sockets (7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/8", 1 1/4") Ratchet, 5" Extension, and Sturdy Metal Box

SALE... **\$34.40**

HYDRAULIC HAND JACKS & LIFTING EQUIPMENT

Sturdy malleable iron base and head. Forged steel load rest designed to prevent slipping. Twelve and twenty ton models have positioning handle. All models equipped with two-piece pump handle. Individually packaged with handle in carton.



6 ton Sale **\$22.05**
8 Ton Sale **\$29.75**
20 Ton Sale **\$67.43**

ALL PURPOSE JACK (Same As Handyman) 7,000 lb. Capacity

SALE **\$39.95**



HYDRAULIC CYLINDERS



3"x8" SALE **\$64.20** 3 1/2"x8" SALE **\$79.40** 4"x8" SALE **\$92.65**

- Hardened Rod
- Larger Tie Bolts
- Double base ports
- Pre-Stressed Tie Bolt material
- Hardened pins & bushings
- Stronger rolled threads on the bolts
- Harder "O" Ring (90 Duro-meter) with polyurethane back up seals.

HYDRAULIC HOSE INSTANT SERVICE!

for your farm, construction, transportation equipment. Our new Massey Ferguson Hydraulic Hose Assembly Equipment can provide almost any Factory-type permanently attached Hydraulic Hose Assembly you may need... in minutes.

3/8" 2 Wire Hose Sale ... **\$1.60 ft.**
1/2" 2 Wire Hose Sale ... **\$1.80 Ft.**



HYDRAULIC & TRANSMISSION OIL

15% Discount
Off Regular Price

Gives peak performance at extreme pressures and high temperatures. Made to meet MF engineering requirements.



ENGINE OIL - SAE 10W-H.D.

Approved for Gasoline, Diesel and L.P.G. Engine

SALE **75¢** per qt.



15% OFF
REGULAR PRICE

★ Bring Your Own Containers - Get Bulk Price
"BUY QUALITY"

GREASE GUNS

Lever Action Sale **\$7.78**
Piston Action Sale **\$14.22**
Flexible Grease Hose Sale **\$2.56**

GREASE TUBE CARTRIDGE

MF "Engineering specified" and approved M-1105 Grease is a premium grade, extreme pressure multi-purpose lithium base grease. Timken approved for bearing applications.



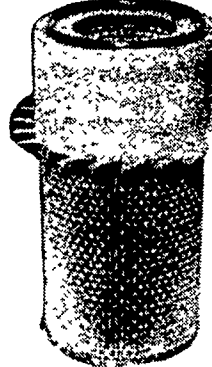
14 1/2 oz.
Sale **79¢**
or
\$7.50 for box of 10



ALL FUEL, OIL & AIR FILTERS



15% OFF
Regular Price



SELECTED PARTS SPECIALS

WINTER SALE ITEMS

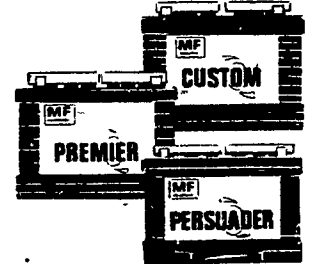
MF BATTERIES

15% OFF
REGULAR PRICE

THE
DEPENDABLE
PERFORMERS

BATTERY ACCESSORIES

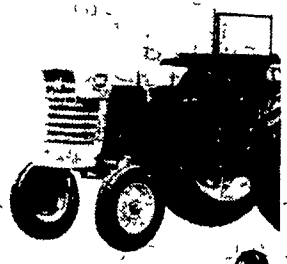
Battery Terminal Puller **\$7.85**
Battery Filler Bottle **\$6.75**
Battery Terminal Cleaner **\$3.54**



WEATHER GUARDS

15% OFF
REGULAR PRICE

While Supply Lasts



DELUXE WEATHER GUARDS

Fully enclosed tractor cab built with tubular steel frame and steel top for extra strength.

- Safety Glass Windshield - tinted to cut down sun's rays
- Front Furrow vision - 2 furrow windows of tempered glass
- Left and right hand door - no walking around tractor - easy access from either side.



ETHER

8.3 oz. Can

\$1.49

11.0 oz. Can

\$1.70

Buy in case lots and receive an extra **5% Discount**



ENGINE BLOCK HEATER

• MF Engine block heaters are easy to install & increase battery & engine life.

• Automatic temp. control prevents over heating U.L. & C.S.A. approval.

15% OFF
Reg. Price



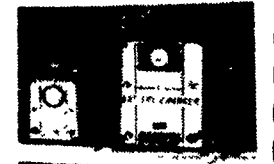
PURSUADER BOOSTER CABLES

12 Ft. #69A 400 Amp **\$15.98**
16 Ft. #49A 400 Amp **\$20.87**
20 Ft. #49A 400 Amp **\$24.48**



BATTERY CHARGERS

20 Amp **\$98.69**
6 Amp **\$45.82**



Please mail or call large parts orders now for processing prior to sale days.



M.M. WEAVER &

LEOLA, PENNA. 17540
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PER 28, 1981

THRU

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A.M. to 12 Noon

c. 25, 26, Jan. 1

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SPECIAL 1 DAY ONLY- WEDNESDAY, JANUARY 6, 1982

Maintenance and
Operation Seminars

10:30 A.M. Tractors
2:00 P.M. Combines

LUNCH
WILL BE
SERVED
11-3

★ Representatives from various manufacturers will
be on hand to demonstrate products and answer
questions
★ Join us during Open House for Fun & Fellowship

5 SPECIALS CASH & CARRY

TILLAGE PARTS

PLOW PARTS
15% OFF
Regular Price

TWISTED CHISEL POINTS

- Heat treated, tumbled & varnished
- 1/2" thick for longer wear
- Fits 2 1/4" centers for 7/16" plow bolts

3x1/2x22 R.H.... \$9.95
3x1/2x22 L.H.... \$9.95

NEW SURPLUS SPECIALS

Non-Current Tractor Accessories

Part #	Description	Model #	SALE PRICE
10-019A91	Pre Cleaner	MF 1150	\$39.84
10-169A91	Vert. ExH	Mt230-235	\$43.04
10-199A91	Air		
	Conditioner	Mt1505-1805	\$547.50
677439	PTO Ext.	Mt 165-175-180	\$42.53
677612	3 Point		
	Linkage	Mt 20-30 Ind.	\$141.78
10092A91	Pre Cleaner	1105-1135-1155	\$31.65
10151A91	Lower Link		
	Conversion	1105-1135-1155	\$254.29
677467	Pre Cleaner	150-165-175-180	\$28.37
677578	Drawbar		
	Hammer Strap	1100-1130-1150	\$31.10
677593	Pre Cleaner	1080	\$20.58
677600	Stabilizer	1080	\$75.43
1000 lb.	Wheel		
(each)	Weights	1100-1130-1150	\$750.00

NEW WAGON PARTS

15x5 Wheels, 6 Lug	\$10.00
15x6 Wheels, 6 Lug	\$20.00
15x8 Wheels, 6 Lug	\$25.00
15x10 Wheels, 6 Lug	\$25.00

FRONT END WEIGHTS

Easy-to-mount
weight frames add
safety & stability.
SALE.. \$35.00
While They Last

COTTER PIN ASSORTMENT

SALE \$4.14

SPRING PIN ASSORTMENT

SALE \$7.80

HITCHPIN CLIP ASSORTMENT

SALE \$3.91

CHEMICALS

HAND CLEANER

1 lb. Sale \$1.33
4 1/2 lb. Sale \$5.82

ENGINE DEGREASER

Ideal for cleaning inside engine
compartment. Spray on
from aerosol can, wash off with
plain water pressure

\$3.15

PAINT

Red or Gray

- Spray Can. \$2.53
- Quart \$6.72
- Gallon \$22.80

MF FIRE EXTINGUISHERS

All Massey Ferguson Fire Extinguishers use A
B C Chemical. Class A includes burning
wood, paper, fabric and other ordinary
combustibles. Class B is fire on top of liquids
like gasoline, grease or oil. Class C is fire in
live electrical circuits. A B C Chemical has
been proven to be most effective in ex-
tinguishing stubborn and costly equipment
fires.

2 3/4 lbs. \$17.60
5 lbs. \$24.44
10 lbs. \$42.63

SMV Emblem	\$5.06
SMV Decal	\$3.87
SMV Spade Mount	\$1.19
SMV Socket	\$.98

PRESSURE WASHERS

New Models:

7550 Pressure Washer .. \$425.85
7650 Pressure Washer .. \$566.00
7750 Pressure Washer \$1037.00

Sell Out on Old Models:

450 Pressure Washer \$192.00
500 Pressure Washer \$265.00
600 Pressure Washer \$440.00

PRESSURE WASHER SOAP

General Purpose

10 lb. Pkg. \$15.92
Heavy Duty
10 lb. Pkg. \$15.51

SEAT
APPLICATIONS
FOR MF
AG TRACTORS
15% OFF
Reg. Price

MF BELTS
Genuine Massey Ferguson
engineering approved
15% OFF
Regular Price

ROLLER CHAIN

Shot-peened parts, solid rollers,
factory pre-stitched, vacuum pre-
lubrication. This chain is made of
special bushings and pins, and
offers tremendous RPM & fatigue
resistance.

#40 \$1.41 per/ft.
#50 \$1.93 per/ft. #50 double \$4.20 per/ft.
#60 \$2.74 per/ft. #60 double \$5.93 per/ft.

CUTTER BAR PARTS

HART CARTER or MF FLOATING CUTTER BARS

H.C. Sections 99¢ H.C. Guards \$5.36
M.F. Rigid Headers (Special)
Rigid Sections 82¢ Rigid Guards \$4.78

Buy complete Knives and have a spare at
15% OFF Regular Price

LOG CHAINS

5/16 40 Grade Chain .. \$2.38
3/8 40 Grade Chain .. \$2.92
MATERIAL - High carbon steel, Minimum
+ tensile 85,000 psi.
5/16 30 Grade Chain \$1.65
3/8 30 Grade Chain \$2.38
MATERIAL - Low carbon steel, Minimum tensile
55,000 psi

CLEVIS HOOKS

For use with Grade 30
Proof Coil Chain or
Grade 40 High Test Chain

5/16 grab hooks \$2.02
3/8 grab hooks \$3.26

LINCH PINS

4 for \$1.00

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17540
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Located: 4 miles west of New Holland on Route 23, one and
one-half miles northeast of Leola, on the North Groffdale
Road, one mile on the right, opposite Groffdale Mennonite
Church.

**10% OFF ON ALL
OTHER PARTS**
SOLD OVER COUNTER FROM
DEC. 28 to JAN. 8, 1982
★ CASH & CARRY ★

**FOR MORE SPECIALS
TURN THE PAGE**

**45th
ANNIVERSARY**

SALE

★ **GOOD USED
EQUIPMENT**

★ **NEW EQUIPMENT**

**DEC. 28
thru
JAN. 8**

SPECIAL

FOR THE MONTH OF DECEMBER MF IS OFFERING
A 15% DISCOUNT ON MOST NEW TRACTORS, COMBINES AND EQUIPMENT.

10% DISCOUNT ON NO TRADE DEALS ON ALL USED MACHINES ON THIS
LIST AND ALSO ON NEW MACHINES THAT DO NOT
QUALIFY FOR THE MF DISCOUNT.

A Special Waiver and Low Rate Financing on Certain Machines

USED CORN HEADS

MF 83 8 Row 30" (2)	@ \$7000.00
MF 63 C 6 Row 30" (2)	@ \$2500.00
MF 63 6 Row 30" (4)	@ \$2100.00
MF 44 4 Row 38" (2)	@ \$3500.00
MF 44 4 Row 38" (9)	@ \$2500.00
MF 44 4 Row 38" (3)	@ \$2100.00
MF 43 4 Row 30" (1)	@ \$2500.00
MF 33 3 Row 30"	\$2500.00
MF 24 2 Row 38"	\$2200.00
MF 422 4 Row To Fit 510	\$1200.00
MF 621 4 Row To Fit 510	\$1200.00
MF 322 3 Row To Fit 410	\$200.00

NEW & DEMO HAY, FORAGE & PLANTING

MF 200 Harvester w/2 Row Head	\$5700.00
(4) MF 1 row Corn Head for 200	@ \$900.00
MF 260 Harvester 3 Row Head	\$7200.00
MF 260 Harvester w/Used 2 Row	\$6100.00
MF 22 Bale Thrower	\$1520.00
MF 925 9' Haybine	\$4800.00
MF 37 PT. Hay Rake	\$1650.00
(2) Farmhand F7 Hay Rake	@ \$1995.00
Farmhand M 25 Hay Rake	\$975.00
Niemer Hay Tedder	\$1525.00
(2) Mott 3 pt. 72" Flail Mower	@ \$1500.00
(4) Farmhand Corn Processor	\$4500.00
(4) Conveyor For Above	@ \$950.00
MF 1050 Grinder Mixer	\$5700.00
MF 468 6 Row Cornplanter	\$2588.00
Farmhand B15 Grinder Mixer	\$4900.00
EZ 14' Forage Box, Roof, 10 Ton Gear	\$4015.00
EZ 14' Forage Box, 10 Ton Gear	\$3715.00
EZ 14' Forage Box, 1074 Gear	\$3950.00

TRACTORS USED

MF 1155 8 Sp	\$11,000.00
MF Super 90 Diesel	\$3900.00
MF 1085 M.P.	\$8200.00
Case 1370 Cab	\$14,000.00
MF 6 Riding Mower	\$350.00
MF 33 Wheel Loader	\$9000.00
NW 71 Skid Steer	\$8000.00
MF 14 Lawn Tractor	\$1475.00
JD 2840	\$12,500.00
White 2-150	\$15,000.00
IHC 856	\$8500.00
MF 4840 265 Hp. 4 Wheel	\$39,700.00
JD 4010 Diesel	\$5500.00
MF 235 Diesel	\$5900.00
Long 9500 Diesel	\$4500.00
MF 2675	\$20,000.00

USED PLOWS & TILLAGE

IH 550 5 Btm Plow	\$1500.00
MF 880 4 Btm Plow	\$3500.00
MM 6-16 Hyd Reset Plow	\$2350.00
Glenco 9 Tooth Chisel Plow	\$3700.00
Dunham 3 pt. 10' Chisel Plow	\$1600.00
Case 36 Disc Harrow	\$1550.00
Brady 12' Field Cultivator	\$1200.00
Tandem 20 Disc Harrow	\$250.00
2 Btm Trailer Plow	\$75.00
JD 3 Pt. 4 Row Cultivator	\$500.00
Oliver 4-14" 3 pt. Plow	\$450.00
JD Killifer Offset Disc, 20 Blades	\$250.00
Oliver 7-18" Semi Plow	\$1300.00
Lilliston 10' Rolling Disc Harrow	\$2000.00

NEW & DEMO MISC. EQUIP.

York 6' Scraper	\$230.00
(4) York 7' Scraper	@ \$250.00
York 7' Scraper	\$500.00
York 8' Scraper	@ \$550.00
York 8' #75 Scraper	\$850.00
MF 226 Scraper (3)	@ \$460.00
MF 8 10 Ton Gear 11L	\$1140.00
MF 7 8 Ton Gear	\$775.00
MF 86 12 Ton Tandem Gear	\$1525.00
EZ Pincor Gear	\$250.00
MF 5 Ton 5th Wheel Gear	\$300.00
EZ 672 6 Ton Gear	\$675.00
EZ 872 8 Ton Gear (3)	@ \$830.00
EZ 1074 10 Ton Gear	\$1050.00
MF 216 Q.A. Loader	\$1750.00
MF 32A Loader	\$3500.00
Dunham 22 Loader (2)	@ \$2550.00
Danuser Post Hole Digger	\$875.00
Little Giant Corn Drag	\$780.00
EZ 170 Bu. Gravity Box (2)	@ \$530.00
EZ 220 Bu. Gravity Box	\$900.00
Danuser Post Driver	\$1300.00

USED MISC. EQUIP.

New Holland Tandem Axle Spreader	\$2000.00
Fert. Drill	\$125.00
Fontana Loader	\$800.00
Century Sprayer	\$1250.00
Century Sprayer	\$975.00
7' Snow Blower	\$600.00
Brady 140 Flail Spreader, As - Is	\$150.00
Sauder FHV20 Loader	\$400.00

**WE SOLD 16 NEW MF COMBINES
IN THE MONTH OF NOVEMBER.
CONTACT US NOW FOR
THE BEST SELECTION OF
GOOD USED COMBINES.**

USED COMBINES

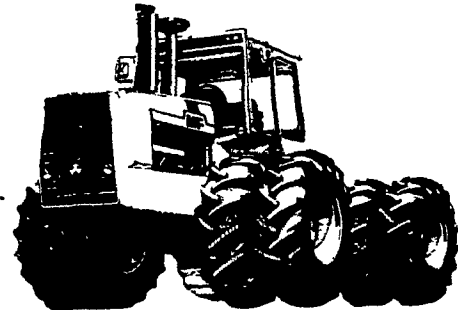
1980 MF 760 V8, 15 ft. Floating Header, 1163 Corn Head	\$62,000.00
1980 MF 760 V8, 15 ft. Floating Header, 1163 Corn Head	\$57,000.00
1980 MF 750 Hydro, 13 ft. Grain Head	\$49,500.00
1980 MF 750 Gear Drive, 20 Ft. Floating Header	\$41,000.00
1979 MF 760 V8, 14 Ft. Grain Head, 1163 Corn Head	\$51,000.00
1979 MF 760 Hydro 6 Cyl., 15 Ft. Floating Header, 1163 Corn Head	\$49,000.00
1979 MF 760 V8, with Grain Saver & Chopper	\$45,000.00
1978 MF 760 V8, with rear Wheel Drive & Grain Saver	\$48,000.00
1978 MF 510 Hydro, 13 Ft. Grain 4 Row Corn Head	\$27,000.00
1977 MF 750 Hydro, 16 Ft. Floating Header	\$38,000.00
1977 MF 750 Hydro, 14 Ft. Grain Head, 63 Corn Head	\$37,000.00
1977 New Idea 708 Uni System Diesel Hydro w/717 Combine, 744 N 4 Row 30" Corn Head and Husker	\$38,000.00
1976 MF 750 Hydro, 14 Ft. Grain Head, 44 Corn Head	\$38,500.00
1976 MF 750 Hydro, 14 Ft. Grain Head	\$29,000.00
1976 MF 750 Gear Drive, 14 Ft. Grain Head, 1144 Corn Head	\$31,000.00
1975 MF 760 V8, 18 Ft. Floating Header	\$33,000.00
1975 MF 760 V8, 15 Ft. Grain Head	\$29,000.00
1975 MF 300 Gas, 13 Ft. Grain Head	\$11,000.00
1974 MF 510 Diesel, 16 Ft. Floating Header	\$17,500.00
1974 MF 510 Diesel, 13 Ft. Grain Head, 43 Corn Head	\$19,500.00
1974 MF 510 Diesel, Less Heads	\$15,000.00
1972 MF 760 Gear Drive, 16 Ft. Grain Head	\$19,500.00
1972 MF 510 Diesel Hydro, 13 Ft. Grain Head	\$14,500.00
1971 Gleaner "G", 13 Ft. Floating Header, 6R30 Corn Head	\$14,500.00
1970 MF 510 Diesel Hydro, Less Heads	\$12,500.00
1968 MF 510 Diesel, 13 Ft. Grain Head, 43 Corn Head	\$15,500.00
1968 MF 510 Diesel, 13 Ft. Grain Head	\$12,500.00
1968 Gleaner CII, 13 Ft. Grain Head, 4 Row 36" Corn Head	\$8500.00
MF 510 Gas, 12 Ft. Grain Head, 421 Corn Head	\$9000.00
MF 410 Gas, 12 Ft. Grain Head, 421 Corn Head	\$7500.00
JD 95 Gas, 13 Ft. Grain Head, 3 Row 30" Corn Head	\$8000.00
IH 315 Gas, 12 Ft. Grain Head, 2 Row Corn Head	\$7900.00
IH 315 Gas, 12 Ft. Grain Head	\$4900.00
IH 141, 10 Ft. Grain Head	\$2000.00
IH 303, 10 Ft. Grain Head, 2 Row Corn Head	\$3900.00
New Idea Sheller Unit	\$900.00

DEMO TRACTOR

MF 2775 24 Sp	\$29,000.00
MF 2745 24 Sp	\$28,500.00
MF 255 M.P.	\$12,200.00
MF 255 8 Sp Hi Cl	\$11,900.00
(2) Ind 20C Tractor Cabs	@ \$1500.00
MF 220 - 4 Tractors	\$7,900.00
MF 4840, 265 Hp., 18 sp. 3 pt. P.T.O.	\$59,000.00

**25%
PRICE
ROLLBACK
IN DECEMBER**

on MF 4000 Series Tractors



Plus waiver 'til March or 13.9% APR financing

Forget any reasons you may have for not buying a new giant 4-wheel drive tractor now. Massey-Ferguson has rolled back our price on new Massey 4000 Series 4WD tractors by 25% for machines sold during December. This means some of the biggest savings we've ever been able to offer on these big-acreage, big horsepower tractors. If you buy now and qualify for financing through Massey-Ferguson, we'll make your deal even sweeter, with a waiver of finance charges until March 1, 1982 or 13.9% annual percentage rate financing for two years.

15% Price Rollback on all other new MF equipment.

The savings go on and on, because Massey has given us a 15% rollback on all other new MF machines sold during December 1981. Tractors, combines, hay tools, implements, industrial machines — you name it. The time to save is now!

Used equipment specialists too! Choice of waiver of finance charges or 13.9% APR financing for 2 years on selected machines.

Hurry! These price rollback savings are good only during December 1981.



Now more than ever, Massey makes sense.

SERVICE SPECIAL



FARM EQUIPMENT DOES NOT BREAKDOWN WHEN YOU ARE NOT USING IT... BUT THAT'S THE BEST TIME TO REPAIR IT!
10% DISCOUNT ON PARTS USED ON MAJOR OVERHAULS OVER \$500 DURING THE MONTH OF JANUARY 1982. SCHEDULE YOURS NOW!

USED HAY - FORAGE & PLANTING

MF 1050 Grinder Mixer	\$4850.00
Fox 2000 Harvester 2 Row and Hay Pick Up	\$1000.00
Hesston #10 Stacker	\$3750.00
Brady 1680 Flail Chopper	\$2900.00
New Idea 315 Picker Sheller	\$1800.00
MF 10 Baler w/thrower	\$550.00
Farmhand 5 Wheel Rake	\$600.00
MF 12 Baler	\$1100.00
MF 31 7' 3 pt. Mower	\$475.00
AC Flail Chopper	\$750.00

NEW & DEMO PLOWS & TILLAGE

MF 43 2-14 Plow	\$1060.00
MF 129 3 pt. Chisel Plow	\$1375.00
Amco F17 32 Disc Harrow	\$5200.00
Dunham 8 Tooth Chisel Plow	\$1600.00
MF 730 Disc Harrow 10'	\$4950.00
Yetter 15' Rotary Hoe	\$1850.00
Dunham 14' Cultipacker	\$1350.00
MF 428 4-38 Cultivator	\$1250.00
MF 428 4-38 Rolling Cultivator	\$1550.00
MF 620, 12' Disc Harrow	\$4950.00
Glenco 7 Tooth Soil Saver	\$5600.00



MF Certified Service

TAX TIP:

**PURCHASE YOUR
NEW EQUIPMENT
BEFORE
JANUARY 1, 1982
AND TAKE
ADVANTAGE OF
BIG SAVINGS.**



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Located: 4 miles West of New Holland on Route 23, 1 1/2 miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

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TRACTORS

JD 650
JD 850
JD 950
JD 2040
JD 2240
JD 2440
JD 2640
JD 2940
JD 4240 w/SG & QR
JD 4440 w/SG & QR

PLANTING EQUIP.

JD 7000 Conv. Pltrs.
4R & 6RN
JD 8200 Plain Drills
JD 8350 Fert. Drills

HAY TOOLS

JD 1209 & 1320
Mower Cond.
JD 670 Rake
NH 474 & 489
Haybines
NH 258 Rake
Thrower for 320
Matthews 9E Rotary
Seythe
JD 327 Balers
NH 315T Baler
NH 847 Round Baler

TILLAGE EQUIPMENT

JD 210 11' 5" Disc
JD 215 11' 5" & Disc
JD 950 12' Harrow
JD RM4 cultivator
JD 2800 5B Plow

COMBINES & HEADS

JD 215 Flex Platform
JD 444 Corn Head
JD 6620 Combine

OTHER EQUIPMENT

JD 75, 145, 148, 158,
260 Loader
JD 506 Mower
JD 965, 1065 Wagons
JD 78 Blade
JD 392 Spreaders
JD 34, 40 450
Spreaders
NH 679 Spreaders
NH 14, 230, 234
Wagons
Century 300 & 500
gal. Sprayers

**NEW HOLLAND
DOLLAR DIVIDEND DAYS
NOW IN EFFECT.**

**JD BONUS BONANZA ON
TRACTORS, HAY EQUIPMENT
AND DISC HARROWS.**

FROM THE
PERSONNEL AT I.G. SALES!
HAPPY NEW YEAR

WAIVER OF INTEREST
ON MANY ITEMS
I. G. SALES
DeLAVAL Silverdale, PA 18962 Quonset
JAMESWAY 215-257-5135 Buildings

FARM EQUIPMENT

FARM EQUIPMENT



10% Price Rollback to Jan. 30

on all New MF agr. w/13.9% 2 year financing or
waiver of finance charges. Eligible used equipment
13.9% 2 year financing or waiver of finance
charges.

NEW EQUIPMENT

MF 245 diesel, 8 speed
MF 255 diesel,
multipower
MF 265 diesel,
multipower
MF 154-4 diesel
MF 540 diesel combine
MF 860 diesel
combine
MF 1143, 1144, 1163
corn heads
MF 4880 diesel tractor
MF 13' and 15' tables
and U/I reels.
MF 226 and 227 snow
blades

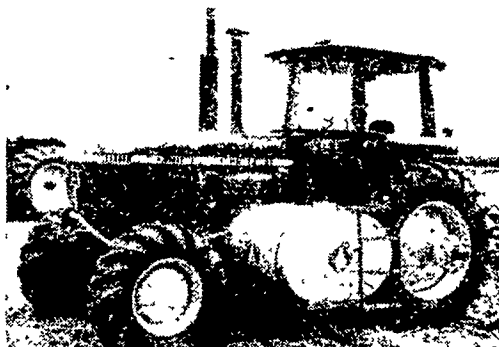
USED EQUIPMENT

MF 760 combine
2 MF 135 tractors
Bobcat Model 700
Melrose skid loader
JD 4020 Tractor
Allis Chalmers WD 45
tractor
Farmall Super H Trac-
tor
Brillion 12' cultipacker
(2) 250 bu. gravity bins
MF 880 5 btm. 18"
plow
Case 1160 combine
MF 510 diesel combine

We Service All Makes Of Equipment
Large Inventory of New & Used
Equipment

ABRACZINSKAS
Farm Equipment, Inc.

RD 1, Catawissa, PA.
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(south on Rt. 42)

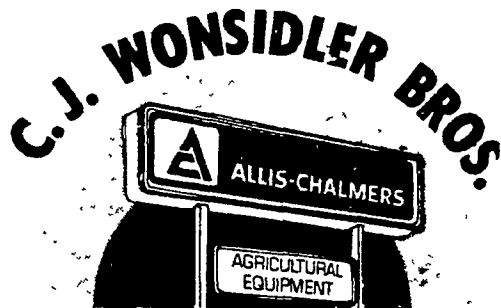


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UP to 1400 gal. total capacity for large
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Call (215) 536-1935, 536-7523
OR Rts. 309 & 100, New Tripoli, PA (215) 767-7611

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Farmall 560 D
Farmall 400
Farmall 460 D
Farmall M
Farmall H
JD 3010 D w/loader
(2) JD 60
White 250 D, like new!
Oliver 1850 D
Oliver 500 D
Oliver 55 D
MF 1100 D
MF 1080 D
MF 180 D w/loader
MF 180 D
MF 50
Ferguson 30 w/loader
Ford 3000 G
Ford 800
Ford 601
Ford 9N
Case 630 w/loader
(3) Case 300
Case DV
Satoh Elk 550 w/low
hrs.
AC 7040 D w/cab
AC 7020 PS D w/cab
AC 200 D
AC 190XT D w/cab
AC D19
AC D17 D
AC WD45 G
AC WD G

COMBINES

Gleaner MKS w/13'
grain & 630 corn
heads
Gleaner FKS w/grain &
corn heads
Gleaner All w/13'
grain & 2-row corn
heads
Gleaner CII w/13'
grain & 438 corn
heads
JD 55 Corn Special
w/cab, 12' grain &
330 corn heads
JD 55 w/grain & corn-
heads
JD 40 w/grain & corn
heads
JD 45 w/grain & corn
heads
MF 82 w/grain & corn
heads
NH 975 w/grain & corn
heads
IH 203 w/grain & corn
heads
NI Uni-System 704
w/171 combine, 4-
row corn head
Behlen 400 BU Grain
Dryer

**AVCO
NEW IDEA**

MANURE SPREADERS

(2) NI 213 Flail, 176 BU.
(2) NI 213 Single Beater, 176 BU.
(2) NI 213 Three Beater, 176 BU.
NI 218 Single Beater, 318 BU.
NI 218 Single Beater, 318 BU, EX. COND
NH 516 Single Beater w/ endgate, EXCEL
NH 365 Tank Spreader w/hyd lid, 6 TON
Hawk Blt 255 Tank Spreader, 7 TON



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Meyer's 7', 8', & 9' snowblades for farm tractors
in stock and ready to go!!! CALL TODAY!!!

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AC 210 JD 4010 IH 300
AC 220 JD 2510 IH 350
AC 7030 JD 2010 IH 450
AC 7050 JD A IH 340
AC 170 JD B
AC 180
AC 190
AC 200
AC WD's & WD 45's

Used Equip.

Fox SP chopper w/2 or 3
row Head
IH PR1 Corn Picker
NH 845 Round Baler
Farmhand Tub Grinder
Model 880

Combines

ACC combines
ACF combine
ACL combine
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**GRUMELLI
FARM
SERVICE**



Quarryville
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CLEARANCE BUYSNEW JOHN
DEERE EQUIPMENT

2040 Tractor
336 Baler w/ejector
HD 336 Spring Tooth
Harrow
1207 Mower Conditioner
1209 Mower Conditioner
2500 4B Hyd. Reset Plow
660 Rake
C81 Spin Spreader
714 Chuck Wagon
1075 Running Gear
1710 Mulch Tiller
Waiver of Finance on
New Utility Tractors
and Equipment sold
with tractors. Also
Lawn & Garden
Tractors

OTHER EQUIPMENT
AVAILABLE

JD 88 Rear Blade 9'
Bush Hog RM30 Rear
Blade 6'
Bush Hog 1123-7' Rear
Blade
JD 143-145 Loaders
JD 609 Rotary Cutter
JD 850, 950, 1050
Tractors
Century 500 gallon
Liquid Fertilizer
Sprayer

USED EQUIPMENT

JD B
JD LA
JD 520
JD 720
JD 3010
JD 4020
Farmall H, M, MD
AC C, WC, WD
Ford 8N
Farmhand Chuck
Wagon
NH 86 Chuck Wagon
JD KBA Disc
JD 55 Combine w/Corn
Head
JD 95 Combine w/ Corn
Head
AC Gleaner CII w/C.H.
Bush Hog 1600 Cutter
Wood C-114 Cutter
NH 6' Cutter
Brillion RSS-112 Cutter
JD 507 Cutter

Special Deals on More
Equipment not listed.
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DEPENDABLE MOTOR CO.

East Main St., Honey Brook - Pa. 215-273-3131-273-3737

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NH #718 Harvester (1 only) \$6050
NH #425 Loader 60" bucket, (1 only) \$9975
NH 315 PTO Baler, flotation tires, hitch and chute (1 only) \$6595
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NH 880W Pickup Head, will fit 880, 890 & 892 Harvesters, 1 only \$1550
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NH 355 Grinder-Mixer, Heavy Duty PTO 11L tires, 1 only \$5650
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Pittsburgh 10'6" Disk, 1/4" blades, 1 only \$2600
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Oswalt Ensilmixer, 1830 Stationary w/scales \$9390
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NH 1895 Self-Propelled HARVESTER, 4
Wheel Drive, Cab, Air, Heater, 3R Head &
Pickup Head, 250 H.P. Cat Engine & Meter
Detector
\$6300. Cash Rebate In Effect.
Call For Special Price.

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Till June 1, 1982
- NH Harvesting Equipment
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Leasing Available

USED EQUIPMENT

NH 477 Haybine
NH 479 Haybine
NH 489 Haybine
(2) NH 512 Spreaders
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NH 717 Harvester, 1R Corn Head
NH 707 Harvester w/1R Corn Head
NH 450 Mower
NH 234 Wagon

Bush Hog 12' Offset Disc, 28" blades, ex-
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JD #210 12' Disc, excellent condition
Jamesway VII Silo Unloader
7' 3 pt. hitch York Scraper Blade w/100 h.p.
rating
Wisc. THD Engine, completely overhaul-
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Rebuilt TA assemblies in stock for IH tractors. New and Rebuilt: Water Pumps, Dynalife clutches, pressure plates, and PTO drive shafts (are spline fitted into pressure plate. IN STOCK for tractors A B C through 1586 also for most models of IH combines

Complete TA assemblies for 706-1586 are priced at \$550 and come with a Dana Co. Heavy Duty Sprag instead of the usual IH sprag. The Dana sprag is guaranteed for 2 yrs. against failure. Sprag kits (includes sprag gear, Dana sprag & piston carrier) and all items for rebuilding your own TA assembly are available to qualified persons. Ramps and carriers for older style TA's (as in SMTA-340-560) are priced at \$150 each and carry a 90 day guarantee. We have parts needed for TA repair in stock at prices which will save you money. Shop is available for complete TA installation or split the tractor yourself and send the center housing to us. Complete rebuilt center housings available on exchange basis or for installation in tractors which did not have TA from factory.

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Please have part no. when calling if possible.

Quality Reconditioned Engine Parts

We have blocks, cranks, and heads in stock from tractors we have salvaged which have been reconditioned by the most precision-oriented machine shop in the county. We do not sell weld-repaired parts. If you want new quality parts at a used parts price, we can help you. Parts are sold w/a 90 day replacement warranty.

Tractors - IH 1066, 806, 706G, 616D, 450D, 460, 340, 300, M, SM, W-6 & A, JD 520, 2020D, 60, A, B, Oliver 1555 G-wfront year round cab

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Parts shipped direct thru UPS & Parcel Post at
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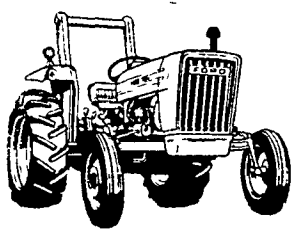
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FORD
TRACTOR, INC.



FALL OIL SPECIAL

1/2 PRICE 10 WT. DIESEL ENGINE OIL
Reg. \$6.25 gal. **SALE PRICE \$3.10** gal.

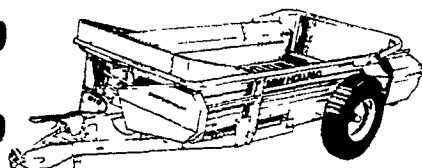
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1981 FORD 3600 (40 H.P.) No Trade **\$10,200**
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Lease Returns (1) 513
Spreader 2 Beater w/manure pan **\$3,000**
Lease Returns (2) 519
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Mower Conditioner Owatonna 208	Spreader New Idea 217
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Mower Conditioner A.C. 390	Trailmower New Idea 254
Mower Conditioner New Idea 290	Harvester N.H. 707
Flail Chopper N.H. 33	Crusher N.H. 404
Baler N.H. 273	Forage Wagons N.H. 7

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Wood Mill Corp. supplies wood repair parts for all makes of forage wagons. We have successfully completed many partial or complete wood parts repairs this year for dealers and farmers who own:

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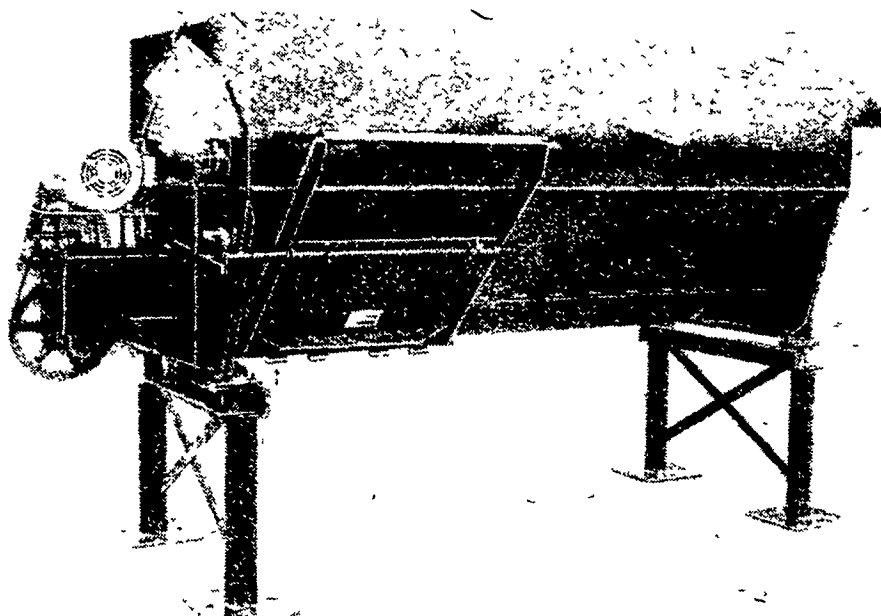
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You can buy completely made up and painted sides, floors and tail pieces or whole sets as needed. Install yourself or have us do it. All parts meet or exceed factory specifications. All work is done by experienced forage wagon builders who regularly supply equipment to New Holland, IH, Gehl, Arts Way, Kasten. Call or bring your forage wagons in for an estimate.

WOOD MILL CORP.

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Feeding a total mixed ration can help you increase milk production...and profits... without adding a single cow to the herd. The Henke "Kwikmixer" lets you accurately weigh and thoroughly mix forage, grain and supplements to deliver a balanced bite every time. And the Henke "Kwikmixer" does its job fast! The "Kwikmixer" accurately blends and mixes most rations in 3 to 6 minutes. Stop in today and find out which Henke "Kwikmixer" fits into your feeding setup. Portable or Stationary.

**UNITS AVAILABLE FOR DAIRY HERDS
FROM 35 TO 500 HEAD**

Henke Kwikmixer upgrades mix-ability

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AND FRIDAY UNTIL 9 P.M.**

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NI 702 Uni System w/ diesel engine, chopper and Forage Heads
NI 3 Row Snapper Head, like new

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WHITE 5400 CORN PLANTER

4 row, no-till, air planter, insecticide and dry fertilizer hoppers, seed monitors, acreage counter, new condition, used only 1 year. \$5,450.

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FOR SALE

John Deere 2640 tractor, Hi-Lo shift with a 1 model 146 John Deere loader Ford 8N tractor.

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FOR SALE

8 KW PTO generator on wheels, \$950
Schedule 80 PVC pipe 3" & 4" Victaulic couplings.

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FINANCE WAIVER PROGRAMS ON USED EQUIPMENT

JOHN DEERE

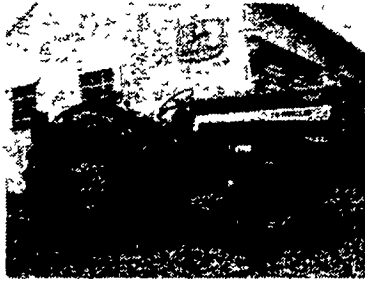
Used Tractors - March 1, 1982
Used Combines - June 1, 1982
Used Hay And Forage Equipment - May 1, 1982
Used Planters - March 1, 1982

NEW HOLLAND

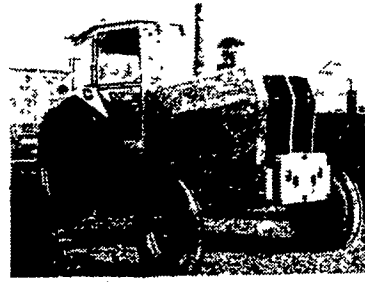
Used Combines - Sept. 1, 1982
Harvesters (Corn) - Aug. 1, 1982
Harvesters (Hay) - June 1, 1982
Hay Tools - June 1, 1982



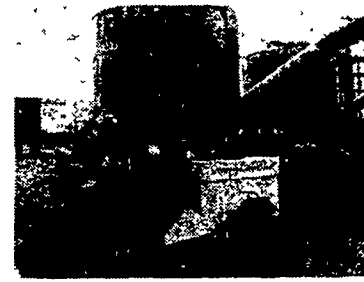
JD 2940, 80 H.P., 200 Hours, Factory Warranty
\$18,250⁰⁰



IH 544 Diesel, Hydrostatic Drive, 50 H.P.
\$6250⁰⁰



White 2-150 Diesel 1500 Hours 170 H.P. Turbo
\$17,000⁰⁰



NH 355 Mixer, 100 Bu. 10 ft. Unloading Augers - (Excellent Condition)
\$5500⁰⁰



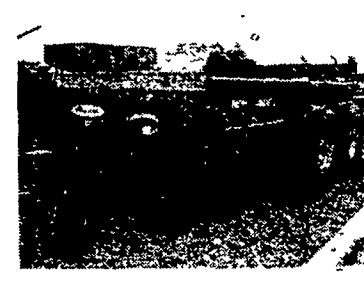
NH 846 Round Baler with Auto - Wrap (Used 1 Season)
\$6900⁰⁰



JD 7000 6 Row Narrow, Max Emerge. w/Fertilizer, Insecticide, HD Coulters - (like new)
\$7500⁰⁰



NI 213 Spreaders with Hydraulic Endgate, 176 Bu. Very Clean
\$1800⁰⁰



NI 218 Spreaders, 275 Bushel
\$4250⁰⁰

USED TRACTORS

JD 3020D late Model, Engine overhauled..... \$8900
JD 2010 Gas, 45 H.P..... \$3450
JD 2840 700 Hours Roll-Guard, Canopy..... \$15,500
JD 3010 Gas Narrow Front End \$4250
JD 2640 1200 Hours..... \$12,750
JDA Cyclone (Bad Block)..... \$450
Farmall H..... \$1100

USED BALERS

JD 24T Engine Baler..... \$1995
JD 224T Baler..... \$2450
168 Baler..... \$1550
NH 68 Baler..... \$1500
NH 271 Baler w/Thrower..... \$1950
JD 14T PTO Baler w/Ejects..... \$1250
JD 14T Baler..... \$600
Ford 530 Baler..... \$850
NH 282 Baler w/thrower..... \$2995
JD 346 Baler..... \$3250
NH 273 Engine Baler w/Steel Wheels..... \$3250
JD 336 Baler w/30 Ejector..... \$4750
JD 336 Baler (8000 Bales)..... \$4500
JD 346 Baler w/30 Ejector (40,000 Bales)..... \$5200
JD 24T PTO Baler..... \$1395
NH 77 Engine Baler (Engine Good)..... \$300
MF 12 Engine Baler..... \$1595
NH 268, PTO Baler..... \$1775
Bale Eater, 3 pt. Big Bales..... \$985
Welzer P22 Baler (German Made)..... \$1950

USED GRINDER MIXERS

JD 750 (Excellent Cond.)..... \$5500
Bearcat 540 & 1000 RPM Hammermill..... \$995

USED MOWER CONDITIONERS

NH 477 Haybine..... \$2675
NH 467 Haybine..... \$2350
Hesston Pt 10..... \$1650
NI 279 CutDitioner..... \$2650
NI 270 Cut Ditioner..... \$1650
NH 469 Haybine..... \$2650
Hay Crimper..... \$150
NH 479 Haybine..... \$2950
JD 1380 Mid Pivot..... \$5450

USED LOADERS

JD 37 Loader..... \$350
JD 47 Loader..... \$675

USED BLOWERS

NI 620 Blower; Nice..... \$1250
Gehl 99..... \$1800

USED MOWERS AND RAKES

Triumph Hi-Way Mower..... \$1000
JD 25A Flail Mower, Like New..... \$1250
Bushhog 14' Rotary Cutter..... \$1800
JD 350 Rake..... \$450
NH 55 Rake..... \$795
Fella Tedder..... \$650
JD 10 Mower..... \$195
JD 894 Rake..... \$785

USED SPREADERS

NH 512..... \$1350
NH 510..... \$1575
NH 790..... \$3990
NI 512 w/Hydraulic Endgate..... \$875
Stoltzfus 5 Ton Fertilizer Spreader with Sower..... \$3850

USED HARVESTERS AND ATTACHMENTS

NH Super 717 with 2 Row 717R2 Corn Head..... \$2250
NH 1 Row 717 Corn Head..... \$775
NH 717S Harvester..... \$1800
Fox Hay Pickup..... \$500
NH 717 Harvester..... \$1350
NH S717, New Knives..... \$1650
NH 717 R2, Corn Head..... \$650
NH 718 Harvester..... \$3500
NH 770 R2 Corn Head..... \$1350
NH 707 3 Pt Hitch one Row..... \$2350
NH 707 W Hay Pickup..... \$375
NH 707 W Hay Pickup..... \$375
NH 1890 Harvester with 890A Auger Base and 890N3 Three Row Narrow Corn attachment low hours, field ready..... \$32,250
NH 890A Auger Base w/890N3 3 Row Narrow Corn Head..... \$4000
NH 717S Harvester..... \$1775
NH 717 Harvester..... \$400
NH 717 1 Row Corn Head..... \$200
NH 880 Harvester w/880 R2 Corn Head..... \$2650
NH 1895 Harvester w/1895 A Auger Base and 1895 N4 Corn Head - Used 1 Season..... \$51,000
NH 1895A Auger Base and 1895 N4 Corn Head..... \$8000
NH 717W Hay Pickup..... \$675
Fox 2300 Harvester w/2 Row Wide Corn Head..... \$2995
JD 3960 Harvester..... \$11,546
JD 2 Row Narrow Corn Head..... \$2500
NH S717 Harvester..... \$1875
NH 717R1 Corn Head..... \$850
NH 880 N3 Corn Head..... \$800

JD Hay Pickup..... \$500
JD Hay Pickup..... \$550
JD 1 Row Corn Head..... \$475
NH 770 1 Row Corn Head..... \$850

USED BACKHOES AND TRENCHERS

NH D100 Backhoe..... \$2950
NH T330 Trencher..... \$2400

USED WAGONS AND GEAR

Badger Forage Box with Gear..... \$1875
Gehl Forage Box w/NH 234 Running Gear..... \$2850
McCurdy Gravity Box..... \$550
JD 1065A (New) w/16" Truck Tires..... \$800
Kill Bros Hydraulic Unloading Auger..... \$225

USED COMBINES AND ATTACHMENTS

NH TR70 Ford Diesel, Var. Speed..... \$34,500
NH 962 N4 Corn Head..... \$4250
NH 960 13 ft. Flex Grain Platform..... \$2850
JD 444 4 Row Wide Corn Head \$4250
JD 443 4 Row Narrow Corn Head..... \$5850
JD 244 2 Row Wide Corn Head \$1600
NH 960 13' Flex Grain Platform \$2850
Case 1665 Combine (Gas) w/4 Row Wide Corn Head and Grain-Platform..... \$10,500

USED SKID STEER LOADERS

Mustang 1700 Diesel..... \$7450

USED PLANTERS AND GRAIN DRILLS

JD 494A - 4 Row Planter..... \$550
JD 494A - 4 Row Plate, w/fert. Insect..... \$1000
IH 56 - 4 Row Plate, w/fert. Insect..... \$1350
JD 1240 Corn Planter..... \$1900
JD 494A Planter..... \$1050
JDFBB 17x7 w/DD Seed Openers, Fertilizer and Grass Seed..... \$2250
JD 246..... \$400
JD FB 14x7 Drill w/fertilizer Grass Seed, Single Disk Openers..... \$950
JD 2R Tool Bar w/Fert..... \$550

USED TILLAGE

JD 9' Spring Tooth Harrow..... \$450
Dunham 10' Packer..... \$600
JD 350 - 5 Bottom Hydraulic Reset Plow..... \$3250
Wing Fold AC 18' Field Cultivator..... \$2250
Ford 206 - 12', 3 Point. Spring Tooth Harrow..... \$425
JD 208 Killiter disk..... \$450
Brillion LFM 9 Ft. Packer..... \$375
JD 91 Spring Tooth Harrow..... \$450
JD 10 Ft. 3 Pt. Field Cultivator \$1250

USED GRAIN DRYERS

295 Bushel Batch Dryer..... \$1100

USED CORN PICKERS

NI 323 Corn Picker..... \$3250

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FARM EQUIPMENT



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FARM EQUIPMENT

**NEW TRACTORS**

IH 284D
IH 284D 4WD
IH 484
IH 684 w/loader
IH 884
IH 384
IH 274
IH 584
IH 784

NEW HAY EQUIPMENT

IH 445 W balers
IH #15 bale throwers
IH 1190 9' mower conditioners
IH 1300 7' 3 pt. hitch mower
IH 35 rakes

NEW CULTIVATORS

2 IH 183 4 row Vibra tines

DISC HARROWS

IH 122 5'6"
IH 122 6'9"
IH 475 18'7"
IH 501



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The International Harvester Company
1980-1981



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IVYLAND, BUCKS CO., PA.
18974

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1-215-343-2101

Used Combines & Cornheads

AC KKS Gleaner w/10' header & 330 cornhead
AC FKS-2 Gleaner Combine, Diesel, 13' Grain Head, Hydrostatic Drive
NI 702 Tr. w/717 combine w/713 S-13' header
IH 315 Combine w/13' grain head & 2 row cornhead
AC C Gleaner w/440 cornhead
(1) MH 82 SP Combine 13' header
2 - MF QT 24 2 row cornhead
NI 728 4-Row Narrow Cornhead

Used Manure Spreaders

NI 244 Manure Spreader w/hyd. end gate (1 yr. old)
NI 224 Manure Spreader (350 bu.)
NH 676 Manure Spreader (275 bu.)
NI 214 Manure Spreader w/3 beater & hyd. end gate
NI 214 Manure Spreader w/single beater & hyd. end gate
NI 214 Manure Spreader w/flail beater
207 Hawkbilt Tank Spreader

Used Tractors

AC 7000 w/cab & Air
AC 5050 w/220 hrs.
AC D15 Tractor
IH 450 Tractor

New Corn Pickers

324/327 2-Row Wide
323 Single Row

Used Corn Pickers

1 - 324/327 2 row wide picker
1 - 729 Uni Sheller
1 - Uni Husker w/702 tractor, 727 husker & 723 2 row head
1 - 726 Uni Husker

Misc. Used Equipment

Hesston 310 self propelled haybine
NI 279 Conditioner
JD 38 Harvester w/2 row wide & pickup
JD FB17 Grain Drill single disk
Brillion 14' transport harrow
NH Super 717 Harvester w/2 row cornhead
767 Uni-Forage Harvester
Int. 1150 Grinder Mixer

New Tractors

In Stock - Priced To Sell!
AC 5030 w/turf tires, 26 h.p.
AC 5050 51 h.p.
AC 6060 63 h.p.
AC 7010 w/cab & air & power shift
AC 7010 w/no cab & 18.4-38 tires
AC 7060 w/cab & air & power shift

NI 1500 Gal. Vacuum Tank Spreader \$5,595.00	AC 2500 15' Fold Disc Harrow \$6,395
FFP 9 9-Tooth Glenco Soil Saver \$6,490.00	AC 2500 12' Non-Fold Disc Harrow \$4,350
AC 1200 Field Cultivator 16 1/2 ft. Hyd. Fold \$2,650.00	AC 2313 13'2" Disc Harrow \$3995
Little Giant Rollaway Elevator \$650.00	8C 25HP Hydramac Skid Steer Loader with 2 Buckets-Rental Unit \$5,995
Model 2000 Series Semi-Mounted 5 Btm. AC Plow \$4,095.00	48' Hub Elevator w/Hopper, Grain Discharge Head & Swivel Spout \$3,095 Less Motor
AC Model 2600 Fold Disk 16'8" \$7,195.00	
AC 333 No Till Special Corn Planter w/Air Unit & Gran. Fert. Row Marker & Monitor Waiver Until 3/1/82 \$7,895.00	Artsway Forage Box with Roof 3 Beater, 10 Ton Gear with 11Lx15 Tires \$5,195

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Over 9,000 items
At Discount Prices

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NEW IDEA**

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H. Daniel Wenger, Prop.



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NEW HOLLAND**

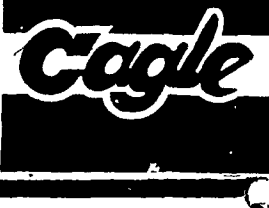
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JAMES E. LANDIS**

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Gutter Cleaners
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**NEW TRACTORS IN STOCK**

5288 w/C&A 3 Valves & Radials & 160 hp.
3688 w/Cab & Air 18.4x38 Tires, 110 Hp.
1086 w/C&A 20.8x38 Tires, 130

ALL TRACTORS WAIVER OF INTEREST 'TILL 3-1-82

NEW EQUIPMENT SPECIALS

IH 1250 Grinder/Mixer \$7380. \$6100
IH 595 Spreader, 451 Cu' \$8287 \$6950
IH 550 Spreader 249 Cu' \$4845 \$4100

IH 540 Spreader 210 Cu' \$4233 \$3650
IH 2250 Loader w/ Bucket \$3621. \$2975

WAIVER OF INTEREST 'TIL 3-1-82

NEW TILLAGE EQUIPMENT SPECIALS

IH 510 4-18 Plow \$4250
IH 510 5-18 Plow \$4650
IH 720 5-18 Toggle Plow \$6200
IH 720 6-18 Toggle on Land \$8250
IH 475 17'8" Folding Hyd. w/ Cyl. \$7250

IH 490 20'6" Hyd. Fold w/Cyl. \$9500
IH 415 Packer Mulcher 12'2" 19" Packers w/Cyl. \$4950
IH 5500 9' Mt. Chisel w/Gauge Wheels & HC. \$1950
IH 6010 10' Con-Till w/Cyl. \$3850

WAIVER OF INTEREST 'TILL 3-1-82

USED TRACTORS

IH 966, D w/WF & 2.2 pt. \$12,500
IH F 544 Diesel w/WF end and 3 pt. hitch \$6850
2-IH F-M Any price range

IH 574 Gas 1295 hrs., nice. \$6150
IH F 300 Gas w/2 pt. \$1750

WAIVER OF INTEREST 'TIL 3-1-82

USED CORN HARVESTING & COMBINE EQUIPMENT

IH Sheller for 234 Picker \$950
IH 76 Pull Combine \$650

Fox 1 Row Corn Head for a 546 \$150
IH 2 Row Corn Head for IH 650 \$250

USED HAY EQUIPMENT

IH 990 9' mower conditioner \$2350
IH 37 Baler w/thrower \$1800
IH 15 Rake \$375
NH 479 9' Haybine \$1500
IH 27 Baler w/thrower \$1500
NH 56 Hay rake \$750

IH 430 Baler w/thrower \$2650
Van Dale Forage box and chassis \$1250
Gehl 72 6' Flail Chopper. Coming In
NH 7 Forage Wagon \$1650

WAIVER OF INTEREST 'TILL 5-1-82

USED TILLAGE

IH 510 4 1/2 16" nice w/cylinder \$2150
IH 720 6 1/2 18" like new w/cylinder, toggle trip. \$6500
MF 41 14" \$300

WAIVER OF INTEREST 'TILL 3-1-82

USED SPREADER AND MISC.

IH 530 Spreader \$1350
IH Wagner Loader w/buckets \$450
JD 760 Tub Spreader \$850

IH 550 w/new apron \$2250
Century 300 Gal. Sprayer \$650

WAIVER OF INTEREST 'TILL 3-1-82

USED PLANTERS AND DRILLS

IH 400 6 row 30" real nice \$5950
JD 494 4 row shoe \$400
IH 56 2 row real nice \$1250

IH 400 4 row 38" \$2500
JD 494 A w/new hoppers \$1350

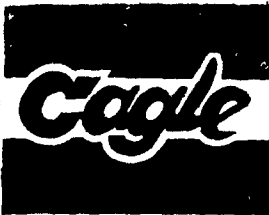
WAIVER OF INTEREST 'TILL 5-1-82



MIFFLINBURG FARM SUPPLY, INC.

East Chestnut St., Mifflinburg, PA 17844
Phone: (717) 966-3114
Evenings - 717-524-2924 - Frank Saner

FARM EQUIPMENT



TRIPLER FARM EQUIPMENT

JD 4025 WF side con-
s(SOLD)
IH 1456 dual 18.4x38
tires
JD 70 WF PS
Case 830 D1(SOLD)
Amco 20' wing disc, new
22" blades
IH 5 btm. 14" semi-mtd.
plow
JD rear weights
IH front & rear weights
No Reasonable Offers
Refused
717-786-2534

NEW EQUIPMENT
JD 2240 Dsl. w/FWhD
JD 2940 Dsl. w/FWhD
JD 4440 Dsl. w/Duals
JD 30" 3R Corn head
\$4595
JD 30" 2R Corn Head
\$2495
JD 1380 Mower Cond.
\$8995
JD 506 Gyamor Mower
\$700
JD 1440 Planter w/80
units \$4500
JD 78 Rear Blade 7' \$410
JD 2420 SP Windrower
\$23,475
JD 534 Dozer Blade
\$2635
JD 3960 Harvester \$9955
JD F950 12' Roller
Harrow \$3950
JD 567 Wheel Rake \$1275
JD 445 Spreader \$4000
JD 450 Spreader \$5645
JD 680 Spreader \$8200
JD 336-Baler w/Kicker
\$6750
JD 235 Disc Harrow
19"11" \$11,800

USED EQUIPMENT
JD 3R 30" Corn Head
\$2895
JD 1R Corn head \$650
Hesston PT10 Mower
Conditioner \$1695
NI 325 picker w/super
sheller \$5995
JD 344 3R 40" Corn
Head \$2495
Woods MC80 mower
\$895
Woods C114 mower
\$1495
JD 24T Baler w/kicker
JD 38 & 3800 Harvesters
JD 4B F125 Plow
JD 5B 1450 Plow
JD AW 9'10" Disk
JD 494 4R Plate Planter
IH 6R Air Planter w/dry
fert.
IH #56 4R Planter
Farmhand Loader to fit
JD 1010 & 2010
Brillion 9' Packer
JD 4430 Dsl. Tractor

WENGER
IMPLEMENT, INC.
The Buck, PA
717-284-1411

FARM EQUIPMENT



Leyland 272 Tractor
w/Loader, Low hrs.
MF 255 Tractor, Low
hrs., like new
Case 1070 Tractor,
Power Shift, Nice
shape
1977 NI 709 Uni System,
1100 actual hours,
air, heater, cab.
Traded for larger
unit.
Plus NI cut/ditioners &
mow/ditioners, tra-
ctors in stock at Good
Prices.

C. & P. FULTZ EQUIPMENT

RD 1 Spring Mills, PA
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Ask for Paul

RECONDITIONED EQUIPMENT FOR SALE

JD KBA 20 and 24
Discs
JD 9' and 12' Spring
Harrows
Oliver 12" and 14"
Plows
New Idea 751 and
752 Crimpers
MC 1 row cultivators
Garden Shovel
Harrows
JD 999 Corn Plant-
ers with or with-
out plateless
units
Ground Drive Fer-
tilizer Spreader

Plateless Units
Mounted on Any
Kind of Corn Planters

New bale boxes to-
bacco presses
9' Cultipackers
1 - Real Good Lely
Fertilizer
Spreader avail-
able

New VICONs
800 and 1200
latest model (big-
ger sizes avail-
able) Pendulum
action fertilizer
spreaders, 3
angle spreading
width up to 45
ft.; ground drive
cart for spread-
ers with clutch;
gas or diesel
engine driven
carts, PTO 3
point hitch.
Trailer carts for
tractors without
3 point.

20" 7 gauge disc
blades - List \$17.50
SPECIAL \$11.95

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Box 89 along
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Kirkwood, Pa. 17536
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FARM EQUIPMENT

Two sets of heavy tractor
chains, exc. cond., size
16-38. John Strawbridge.
301-996-2022.

Wanted to Buy - 400
gallon stainless steel
spray tank. 717-697-2588

For Sale - IH 2544 diesel
reconditioned with loader,
3 pt. hitch, PTO, new M5
Woods mower, \$7500.
215-327-4057 after 7
p.m.

Oliver OC3 crawler with
loader, good condition,
\$1100. Columbia Co. 717-
458-6831

Poly-glass fertilizer storage tanks

11 sizes up to 6000
gallons
Cone-bottom tanks
from 250 gallon
to 2500 gallons
Early order discount

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FARM EQUIPMENT

For Sale - 11 1/2' Glencoe
field cultivator. Used one
season, JD #8 forage
harvester w/new knives,
good condition. Set of
dual wheels 16x38
w/15.5x38 tires on. JD
KBA disc harrow w/good
blades. JD 10'
cultipacker.
717-665-7434.

4 ton Stoltzfus fertilizer
spreader, pull-type
w/booms. 215-286-9510

Four row John Deere
7000 max emerge
planter. No-till. 302-366-
0784. Mornings.

SHULER EQUIPMENT SALES

RD#1 Box 228
Shuler Road
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ACRES OF USED AND
RECONDITIONED FARM
EQUIPMENT AND
TRACTORS

Also
ACRES OF USED
EQUIPMENT AND
TRACTOR PARTS.

WE WILL BUY OR TRADE
YOUR USED EQUIPMENT
IN ANY CONDITION.

NEW SPECIALS

519 NH manure spreader
310 NH baler
165 bu. and 230 bu. gravity blow boxes
6 ton wagon chassis
Myers Snowplows

USED SPECIALS

717 NH forage harvester w/2 row corn
head and pick-up head
MM 2 row picker sheller
977 Pasqualli tractor w/3 pt. and loader
1050 Bolens tractor w/42" mower
JD forage wagon

Ask for special prices on items
listed above.



EDWARDS FARM EQUIPMENT

291 W. Moorestown Road
Route 512 At Clearfield,
Nazareth, Pa. 18064
Phone 1 (215) 759-0240

NEW TRACTORS:

MF 265 Used 424 Int. w/loader
MF 255 - \$4800
MF 285 w/cab

NEW COMBINES

MF 540 MF 860

NEW IMPLEMENTS

MF 820 Disc
Taylorway 600054
Disc
MF 925 Haytender
MF 725 Haytender
Brady 3270 Cultivator
Brady 1800 Chisel
Kuker 300 gal. Sprayer
White 25 Disc
Taylorway 600003
Chisel
White 256 Disc
MF 220 Disc
White 5400 Planter
Dry No Till
McCurdy 275 Gravity
Box Less Gear
McCurdy 230 Gravity
Box Less Gear
MF 200 Forage
Harvester
MF 260 Forage
Harvester
Fox 2310 Forage
Harvester
Fox 6354 S/P Forage
Harvester, 4 WD -
Special Price!
MF 124 Baler

NEW GT DRYERS NOW AVAILABLE

USED COMBINES:

All Diesels unless
stated
MF 760 Turbo 6 1979
MF 760 V-8 1978
MF 750 Turbo 6 1978
MF 510 1977
JD 45 W/Grain Head
OL 525 w/2 row CH 11
Ft Grain Gas
NH 975 Combine
NH 1400 Combine
MF 540
MF 410
JD 6600 Combine

ALSO LIMITED SUPPLY OF USED CORN
HEADS AVAILABLE SO SHOP EARLY

Fast next day parts
shipment to your door
via UPS.

GUS FARM EQUIPMENT, INC.

Intersection of
Routes 616 & 214
Seven Valleys, PA
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USED EQUIPMENT

TRACTORS

MF 65 gas
JD 520 sharp
IH 340
JD 70 skid loader
Case 1537 skid loader

FORAGE WAGONS

Gehl #610
JD 216
Badger 16' w/tandem
axle
3 bale wagons

MISC. EQUIPMENT

Haban corn sheller
Hesston tank spreader
NH 512 spreader
JD 737 13' rotary
JD 2450 7 btm. plow
AC 3 pt. 16" plow
IH 3 btm. fast hitch
plow
JD 350 5 btm. plow
JD 110 12' disk

SUPER SPECIAL
Badger snow blower 3 pt.
\$1350

OTHER NEW EQUIPMENT

Badger 2300 vac manure tank.....\$6995
JD 1710 11' mulch tiller.....\$5500
JD 464 flail spreader.....\$3975

John Deere Farming Frontiers
Jan. 8, 1982

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Phone: 215-987-6277

Berks County's Full Line John Deere Dealer -
Serving the Oley Valley 45 years 1936-1981

Holiday Greetings



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Airville, PA 17302
717-862-3358 or
862-3967

USED MACHINERY

AC WD tractor
AC 185 w/loader,
reconditioned
656 IH w/loader
885 diesel David
Brown orchard
tractor
4030 JD w/cab
2- Hydromac Skid
Steer Loader
Gleaner L combine
w/15' grain hd., 4
row narrow corn
hd.

IH 440 baler
w/thrower
Hesston 500 SP
mower cond.
NI 272 cutdioner
IH 990 mower cond.
NH 1010 bale wagon
White 5 btm. hyd.
reset plow
Oliver 4 btm. hyd.
reset plow
MF 3 btm. hyd. reset
plow
NH 717 forage har-
vester on 1 row hd.
IH 555 forage har-
vester w/2 hds.

237 JD mounted
pickers
702 power unit and
chopper and choice
of heads
NI 708 power unit
737 Husking unit
731 4 row head
717 combine
713 platform
744 4 row head
NH 718 with new 1 row
head or 2 row and
pickup
AC 6' pull type rotary
mower
JD 36' elevator
w/motor
Taylorway 8' disc

NEW MACHINERY

Hesston
7160
(Attaching heads for
all)
16' forage wagon
Round Balers: 5540 &
5580
Bale movers
4600 baler w/thrower
Mower Conditioners:
1071, 1091
New 7600 Field Queen
harvester, & all
attaching heads
Allis Chalmers

5040
5045
5050 orchard tractors
6080
6060 4 wh. drive
Discs: 2300, 2500 &
2600 series
New M2 corn plus
combine
FKS Combine
Kubota
B 6100 w/4 wh. drive
B 6100 HST 4 wh.
drive
B 6100 HST 2 wh.
drive
B 7100 HST 2 wh.
drive
L 345 4 wh. drive +
loaders, mowers,
accessories
Bobcat

530
743
310
New Idea
Uni System Plats.
Combine
Chopper
1 row pickers
2 row pickers
Elevators
Allied
GT grain dryer
Moore no till drill

USED TRACTORS
& EQUIPT. IN STOCK

Massey Ferguson MF2675
w/cab, 100 h.p., 24
speed trans. Spl. price
cash - \$20,000 00
Deutz D4006, good
engine Dyno test, 48
pto h.p. 2400 hrs
\$4800
1 pair 20.8x38 tires -
Goodyear power
torque

NEW TRACTORS
& EQUIPT. IN STOCK

D6807 Deutz Tractor, 68
h.p.
D6206 Deutz Tractor, 61
h.p.
D5207 Deutz Tractor, 52
h.p.
D4507 Deutz Tractor, 45
h.p.
DX 120 Deutz Tractor,
110 h.p.
DX 120A Deutz tractor,
4WD, 110 h.p.
Custom-built diesel Gen-
Sets made to order
New & Used Deutz diesel
engines at special
prices. Call for details
New Deutz F2L-912
diesel engines 20-32
H.P. electric start.

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New Holland, PA
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TRACTORS

Ford 8600 Dsl.
Ford 800 Select-o-Speed
Ford 3000 Diesel
Ford 4000 Diesel SU
Ford 960 Tricycle
Ford 861 Diesel
Ford 8N
Ford 9N
Ford A64 Wheel Loader,
2 1/2 Yd. bucket, 480
hrs.
Farmall M
JD 720 Dsl. w/4R Cultv.
JD 50 w/2R Cultv.
EQUIPMENT
(2) Landoll Soil Savers
11'
Glencoe 9 Tooth Chisel
Plow
Glenco 12 tooth chisel
plow
Ford 4500 Backhoe /
Loader, Excellent
(2) Ford (Demo) Skid
Loaders C-L30, C-L40
Massey 82 Combine
w/2R Corn Head
New Class Combine w/4
Row Corn Head
NH 519 Sgl. Btr.
Spreader
NH 516 sgl. btr.
spreader
JD spreader
6 Used Balers
14' Schwartz Rollback
Body w/winch
Lawn & Garden
Tractors w/Mowers

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Prices

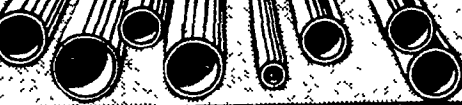
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STANDARD - EXTRA & DOUBLE EXTRA HEAVY - ALL
SCHEDULES - ALL TYPES FABRICATION - THREADING
CUTTING - WELDING

121 SO. MARKET ST. - WILMINGTON 19801
302-656-0276 or 215-DE1-4240

FARM EQUIPMENT

USED EQUIPMENT

TRACTORS:

• Waiver of Finance on Used Tractors To March 1, 1982

IH 1566 D, Cab & Air, 30.5x32 tires, new TA, Real Nice

JD 4520, 20.8x38 Radials, No Cab

IH 560 Gas, 400 Gas, 300 Gas

IH 706 Gas, Wide Front End

IH Super MTA

IH 350 High Utility

IH 350 Farmall

IH 544 Gas w/2000 Loader

MF 165 Diesel, \$3900

JD 1010 Gas w/Tricycle Front End, \$1700

Oliver 1800 Gas, Wide Front End, over & under \$4500

Farmall 300 3 ph, real nice

TILLAGE:

IH 760 14' Offset Disc

IH 475 13'5 Disc Harrow

Bush Hog 18' Folding Disc

Pittsburg 12' Disc

Oliver 251 9' Disc, Real Nice

IH 370, 350, 37, 35 in Various Sizes

JD 18' Trailing Spring Tooth Harrow

JD 12' 3-Rank Chisel

Oliver 4-Bot. Semi-Mtd. Plow

PLANTERS:

Int. 663 6-Row Cultivator

4 & 6 Row Cyclos, Field Ready!

JD FBB 17x7 Comb. Single Disc, Good Shape!

JD 494-A, DD, 4-Row Planter

IH No. 10 13x7 Plain Drill

IH No. 10 16x7 Single Disc, Comb., Hyd. Lift

IH No. 10 16x7 Single Disc, Comb.

Oliver 24x6 Combination Drill

Oliver 17x7 Combination Drill

MF 13x7 Comb. Drill

COMBINES:

915 Combine, Low Hours, Like New

(2) 844 Cornhead

810 15' Floating Cutting Bar

• Waiver of Finance to 9/1/82

IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform

IH 315, 2-Row Wide Head

IH 205 w/227 Head

IH 203 w/2 Row Head

IH 227 Cornhead, fits 315, 205 or 203

Straw Chopper for Gleaner M

HAY & FORAGE EQUIPMENT:

#8 Flail Chopper, Like New

JD 115 Forage Wagon

Gehl 800 Recutter Blower

Model BN98 Badger Blower

Gehl FBB 88 Blower

38 JD Chopper

550 IH Chopper

36 NH Flail Chopper

33 NH Flail Chopper

(2) 990 Int. Mower Cond., 9 ft.

1014 Hesston Mower Cond.

420T Hesston S.P.

NH 479 Haybine

NH 276 Baler with Thrower, Real Nice!

MF DEO-20 3 pt. Hitch, 5 Bar Rake

ERB & HENRY EQUIP., INC.

New Berlinville, PA 19545

Ph: (215) 367-2169

Daily 7 to 5

Sat. 7 to 1

FARM EQUIPMENT

FARM EQUIPMENT

"Surplus" WISCONSIN & DEUTZ SKID-LOADER REPLACEMENT ENGINES

VH4D 30 hp \$1330.00

VG4D 37 hp \$1445.00

V465D 65 hp \$1995.00

Deutz Diesel, F2L511 31 hp. \$1750.00

(Adaptable to many other applications)

FISHER ENGINE SERVICE

3141 Old Phila. Pike

Bird-in-Hand, Pa. 17505

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THIS WEEK'S SPECIALS

MF 1105, 720 HRS. w/CAB

CASE 885, 500 hrs.

NO FINANCE CHARGE

TILL 5/1/82

USED TRACTORS

MF 1105 w/Cab

IH 656 Hydro.

Case 885, 500 hrs.

JD 4020

JD 2840 w/Loader

USED CORNPLANTERS

JD 7000 No-Till

JD 7000 Conservation

JD 1240

JD 1260

JD 494A

IH 564 Row

USED HAY & FORAGE EQUIPMENT

NH 1895 Sp Fg.

Harvester w/3

heads

JD 35 Fg. Harvester

w/N2 head

JD 3800 Forage

Harvester w/2RN

Fox 2200 Fg. Harv.

w/2 heads

NH 3RN Corn Head

JD 244 Snapper Head

for Fg. Harvester

NI Side Rake

NH 1010 Auto Bale

Wagon

NH 273, 271 & 269

Balers

w/Throwers

OMC 9' Mower Cond.

JD 1207 Mower Cond.

JD Hay Crimper

NH 1469 SP Haybine,

w/Ford Water

Cooled engine

NH 495 Haybine

NH 469 Haybines

Hesston 1010 Swing

Tongue.

JD 216 Fg. Wagon

Badger Fg. Box

USED TILLAGE

9 Shank Soil Saver

MISCELLANEOUS

15 HP 3 phase elec.

Motor

JD 34 Spreader w/

Hydraulic end-

gate

Davis Scat Back

Loader

No Finance Charge On New & Used JD Tractors Till March 1, 1982

No Finance Charge On NH - Forage Till March 1, NH Hay Tools Till June 1

JD Hay & Fg. Equip. Till May 1.

CLUGSTON IMPLEMENT, Inc.

1 Block off I-81 Exit 8

Chambersburg, PA 17201

Phone: 717-263-4103



bobcat

NEW HOLLAND

Used Tractors:

John Deere 4520, 4430, 4320, 4030, 1520, 2510, 3020, 3010, Farmall 1086 4 wh. drive, 966 with cab, 806, 560, 460, 450, M. H. Allis Chalmers 210, 185 like new, Ford 8N & 9N, 9000, 9600. MF 180, 165.

Used Combines

2, 3, 4, 6 row John Deere corn heads, 6 row IH head to fit 815 or 915. 105 corn special diesel engine, 4 row corn head.

Used Trucks:

1974 Chevy w/new 16' grain body & hoist, 427 engine, 5 spd. trans., 2 spd. rear. 1977 GMC cab & chassis. Ford Louisville w/24' Schwartz roll back.

Used Plows & Disks:

1450 John Deere 7 Bottom. Large selection of John Deere 5, 6, & 7 Bottom. Athens 21' Hyd. Fold disk. IH 470 18' Disk. Large selection of smaller John Deere disks.

Brillion 18' spring tooth on rubber. Large selection of Fox choppers & head. Good supply of Fox Parts. Fox 3RN corn head, NI 3RN head for chopper. New Gehl, Fox & Badger Equip. John Deere 1240 Plate & Plateless corn planters. JD model 2500 6 btm. 18" auto. reset plow. GSI grain bins and augers. 10 used chisel plows.

NI Corn pickers: 2 row wide & narrow Knight big augie 16, mixer feeder wagon w/electronic scales, used 4 seasons. Special price on new Keewanne 20' hydraulic fold disc harrow.

Used Badger self-unloading wagon, 3 beaters, roof, 14' box

D & R EQUIPMENT INC.

Ringoes, New Jersey

(201) 782-5082



USED EQUIPMENT

IHC 1066 w/CAB AND AIR, 1600 HRS. EXTRA CLEAN JD 7700 DIESEL HYDRO COMBINE 1973

IH 966 Tractor

Oliver 1855 Tractor w/Cab

IHC 2400 Series B Utility Tractor w/570 hours

NI 767 Super Chopper with pickup

Ford 4000 Gas

AC D17 Series 4 Tractor

Farmall 706 with 291 gas engine, 2350 Mount-O-matic loader

Int. 1456 w/dual PTO's and 23.1x34 rear tires, new clutch and TA runs excellent

IHC 84 Hydro Tractor w/50 hours \$11,750

Farmall 756 Gas Tractor, new motor

AC 200 Tractor w/2100 hrs. 1 owner

PARTS FOR SALE

JD 3010 Tractor

IHC 815 Diesel Combine

Massey 510 Gas Combine

RAYMOND B. LEAMAN

Willow Street RD 1, Ph: Lancaster 464-2778

Midway between Lancaster & Quarryville

off Rt. 222 take Brenneman Road

at Graybill Bros. Garage, Refton



Nothing runs like a Deere

End of the Year Sale on Used Equipment

Tractors:

	List	SALE
IHC 1486 w duals	\$25,800	\$23,000
JD 4030 4 post w/enclosure	14,000	13,000
JD 2640 roll guard and canopy	14,000	13,000
JD 4020	9,500	8,500
JD 4000	12,000	10,000
995 Case w cab	8,850	8,000
JD 730	4,200	3,600
JD 620	3,500	3,100
JD A. late model	1,800	1,500
JD a w/227 picker	2,000	1,500
Farmall M	1,695	1,250
IHC Super C w cultivators, sharp	1,975	1,750

Balers:

JD 24T w/#2 ejector	1,600	1,194
JD 14T w/#2 ejector	1,495	695
JD 14T w/#1 ejector	495	395
JD 14T w/#1 ejector	685	450
NH 68 w/53A thrower	1,100	795

Mower Conditioners:

JD 1209	2,800	2,195
JD 1209	4,200	3,600
NH 1469 Haybine, SP	4,000	2,800
Owatonna 700 SP	3,500	2,400
NH 469	1,875	1,200
Case 7'	1,995	1,495
JD 31 hay crimper	350	250

Corn Pickers & Heads:

JD 18 corn picker	1,600	1,200
JD 244 corn head	2,400	2,000
JD 444 corn head	8,800	7,500
JD 45 combine	3,500	make offer

Corn Planters:

	List	SALE
JD 7000 planter, 6RW, liquid	\$9,500	\$8,500
JD 7000 planter, 4RW, w pop monitor	6,800	5,600
JD 7000 planter, 4RW	6,500	5,200
JD 1240 planter	2,500	1,875
JD 494 A planter	900	475
JD 494 for parts	500	300
JD 290 planter	350	300
IHC Cyclo 6 RN	5,000	3,200
IHC 249 planter	350	300
5400 White, 6RN, liquid	6,600	5,200
AC corn planter, no-till	3,500	2,100

Discs:

IHC 760 offset 12' like new	3,500	3,200
JD BWA 12'	1,800	1,500
MF disc	2,200	1,800
M&M disc	1,250	900

Grain Drills:

JD 5BB, 13x7	1,250	900
JD FB 13x7	600	500
JD FB drill 15x7	875	600
NH Elevators 29'	900	700
Rotary cutter, like new	650	550

Harvesters:

3800 Harvester	4,500	3,500
JD 38 w 2 R-RC	2,000	1,500
JD 35 w 2 R-RC	2,800	2,200
2 JD 5' hay pick-up heads, take your choice	600	400

Plows:

IHC 720 plow	3,200	2,800
IHC 411 4-14"	575	475
JD 145 plow 5-16"	2,200	1,800
JD 810 3-14"	550	475
JD 44 plow	125	100
JD 2 bottom 14"	475	425
JD 10' roller harrow	3,800	3,400
8' cultipacker	150	100

Spreaders:

Hawk tank spreader	3,500	2,500
Starline spreader	550	475

NO TRADE ON SALE PRICES

AUKER-

FARM EQUIPMENT

For Sale - Cub Low Boy late model, yellow and white, one owner, turf tires, 5' hammerknife mower and snowblade. Phone 717-687-5553 or 717-687-8021.

Hydra Fold Auger Inc. - 6" or 8" gravity box auger, truck auger, grain bin drive unloading unit, little red toy wagon. 149 N. Market St., Paxton, IL 60957. 217-379-2614

JD 227 corn picker, good cond. 215-488-1965. Berks County.

FARM EQUIPMENT

Farmers & Dealers - Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164



NI 737 Husking Unit
AC 7000 Tractor
AC 5040 Tractor
AC 185 Tractor
AC 170 Gas Tractor
AC D17 Gas Tractor
NI 702 Diesel Power Unit
NI 213 Manure Spreader

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We Ship Anywhere

Cross Tractor
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USED GORMAN-RUPP PUMP

For liquid manure and waste water, pump only or w/gas engine

ECCO, INC.

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FARM EQUIPMENT

FARM EQUIPMENT

GOOD USED EQUIPMENT

F-1256 diesel
IH 570 manure spreader
Used Long mod. 910 diesel tractor, 710 hrs., very good cond. \$7400
Bolens model HT-20 hp w/mtd. loader w/front blade & rotary mower, good cond.
Oliver 770 diesel tractor, tricycle front end, good cond.
IH 3 btm. semi-mtd. fast hitch plow
IH #710 4 F auto reset plow
Good used lawn tractors.
55 trailing chisel plow
1 Farmall M
One Massey Harris Model 33
1 Farmall 340 w/fast hitch
1 Farmall H

IH 1440 axial flow combine w/1150 hours, excellent condition.

AMCO NEW IDEA

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FARM EQUIPMENT, INC.
RD2, New Ringgold, PA
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New Year!

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Purchasing Programs.
NEW EQUIPMENT
Call for Prices

Gehl 360 skid steer loader
Gehl 1600 round baler
IH 425 baler w/thrower
IH 200 2 row, 3 pt. cultivator

USED EQ. SPECIALS

Ford 740 tricycle w/Johnson loader.
Reg. \$1975 Special \$1650
IH 990 mower-conditioner
Reg. \$2250 Special \$1850
AC 303 baler w/thrower
Reg. \$1550 Special \$1295
IH 715 combine
Reg. \$17,500 Special \$15,900

USED EQUIPMENT:

766 Tractor	\$12,400
1066 tractor	\$13,800
MF 65 diesel w/industrial loader	\$4750
IH 550, 5 x 16 plow	\$1250
IH 4x14 trail plow	\$375
Oliver 12' disc harrow	\$1195
Brillion 12' cultipacker, excellent	\$675
JD 12' Mtd. Vibra Shank harrow	\$1550
IH 400 Cyclo 4 row planter	\$3450
IH 400 Cyclo 4-row planter	\$2975
Pincor alternator with trailer	\$1495
Fox blower	\$750
468 4-row cultivator	\$850
2 A-Hay Crusher	\$95
NH 770 forage harvester w/2 row narrow row hd. & pickup hd.	\$3500
#10 single disc drill	\$2300
Ontario 12x8 hoe drill on steel	\$435
Ontario (13x8) hoe drill	\$475
Arts-Way grinder-mixer	\$1375
IH 1150 grinder-mixer	\$2350
Bale wagon	\$795

INCH EQUIPMENT CO.

Dalmatia 717-758-3021
717-758-6491
35 miles North of Harrisburg, PA on Rt. 147



U.P.S. Service
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HAPPY NEW YEAR

Here's to you and your family this New Year... wishing you health, happiness and the best of everything! Celebrate!

(Combines, Tractors and Equipment Just Arrived on our Lot.)
(Combines) New JD 4420 fully equip. w/213 grain & 443 C.H. list for \$71,400. our price, \$56,900. 1976 Gleaner FD w/air and both heads (1-local owner); JD 6600 Side Hill turbo, hydro, floating cutter bar, and choice of corn heads, real nice; Used JD 8820 fully eq. like new w/grain and 843 C.H. 1979 MF 550D, excel. w/grain and corn heads. 1975 MF 510 hydra. w/grain and corn. 1973 Int. 915 gas w/grain head under \$10,000. 1976 Gleaner K w/cab and grain never used in corn, MF 510D Hydrostatic w/mud hog rear-wheel drive w/Quick tach grain and 44 Lo Profile corn head. 1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head, JD 6600 D w/air & 13 Ft. grain. JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain and 844 C.H., Int. 810-15 ft. floating cutter bar, Oliver 25 w/cab.

1977 Int. 915 w/rear wheel drive, grain and 863 C.H.; Late model Int. 303 w/cab, N.H. 985 w/cab and grain and 3 row 30" C.H. or 4 row 38" C.H.
N.I. 702 D w/767 Super Chopper. N.I. 702 D w/husking bed and 3 row C.H., NI 702 w/729 A sheller, 702 D w/rebuilt motor. JD 643, 243, 444 C.H.; NI 325 w/12 roll 324 w/12 roll; New Farmall 986 w/Rops \$18,800; New MF 2705 cab, air, \$27,000; New N.H. 489 haybine; New N.H. 315 Baler; N.H. 268 Baler w/thrower; N.H. 68 baler w/thrower; NI 323 one row \$2475.

TRACTORS & EQUIP.
Farmall 1566 w/cab and duals, new JD 4240 C.A. Q., Oliver 1855 w/factory cab. Farmall 560 D WF, Used Farmall 1086 w/R.G., Canopy, White 2-105 w/roll guard, ACXT190 real nice, Ford 4000D w/1400 hrs. excl., M.F. 165 Tri D. N.H.

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 5020 original w/dual wheels; JD 2940 w/front wheel drive and cab, used 360 hrs. JD 4430 CA Quad w/long axles for duals; JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair; JD 4520 w/triple hyd.

(SOLD). Nice, JD 4320 for \$11,850. Farmall used 986 cab and air, 1566 cab and air w/new T.A., for \$18,000. Farmall 706 gas w/TA and 3 pt. original real good for \$4500. Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

CORN PICKERS - (new) N.I. 324 w/12 roll bed; NEW New Idea 325 w/12 roll bed, Used (4) N.I. 324 w/12 roll bed, (1) NI 325 N w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. Int. 234 w/12 roll bed. JD 3800 2 row chopper

John Deere 8630-4 Wh. Drive w/3 pt. PTO & Dual Wheels, real nice, also AC #2600 - 28 ft. Hyd. wing disk, like new, J.D. 7520 w/3 pt. & Dual Wheels. JD 4020 w/58 Loader, Farmall 1206 w/cab. New JD 4440 cab, air, power shift. J.D. 4010 gas. JD 4020 gas \$4900. JD 4430 C.A. QR, 1970 JD 4020 w/roll guard; JD 4320 w/cab, 2-JD 1970 4020 w/dual hyd., 1970 JD 4020 Power Shift & Dual Hyd., Farmall 856 - nice.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., 1566 w/cab, 766 D; 1466 w/cab. Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Gleaner E Combine w/cab, grain and corn head; Farmall 1206, 460 Gas w/F.H., Farmall, 756 gas, 560, 856 w/front wheel drive, Farmall Hi-Crop-656 diesel, 756, Cub Loboy w/mower, Cub w/mower and F.H.

HARVESTERS. New Int. 720 w/2 row, JD 38 w/2 row pickup N.H. 770 w/2 row, J.D. 38 Chopper w/2 row, NI 3 row, Fox 2 row 30", Fox 3 row 30", Fox 2 row snapper head. JD 1 row snapper head like new.

ALLIS CHALMERS 7080 w/cab & duals \$18,800, 7040 w/cab, power shift like new, AC 200 w/cab & air, AC 185 - \$19,800, low hrs., 210 w/new 20.8x38 tires.

JOHN DEERE New JD 4440 cab, air, power shift, \$35,900. New JD 4440 cab, air Quad 34,500, used JD 4430 - 4 post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A. QR. sharp. 4030, 5020 tractor puller, 1972 JD 4000 D P.S. 1 local owner sharp. 4010D w/WF, 730D, 720 D. 60 w/3 pt., 520. JD 3020 P.S. Gas JD 4030 w/R.G. and Quad., JD 2030 D.

FARMALLS: New 986 Cab & Air, Used 1586 w/cab fully eq. w/duals, used 500 hrs. like new, 1586 w/cab, fully equip. w/dual wheels and dual PTO real nice, used 1086 w/cab, air,

1 owner-looks like new; used 1086 w/Rops, 966 black stripe w/roll guard, 1066 red cab & air, Used 686 w/cab & air for \$12,000, 1206 w/cab, 1206 w/fenders, 856 w/3 pt. and 38" tires, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, 766, 1456, 806, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice. Int. 674, Int. 574, 460 Dsl. TA, nice, \$2275, 400 w/P.S. & F.H., Super C w/cult. and 7 ft. mower, Ford 6000 tri D for \$1975.00.

New White 2-105 w/cab \$22,850. Oliver 1755 w/cab and air; 1750 w/over and under, 1800 D W.F., Ford 4000 Tri. D.

(Cheapies) JD B \$485, JD A \$485, MC 20 crawler w/blade & pulley 785.00, MASSEY FERGUSON - 1130D, Super 90D for \$3400.00.

MF 165D w/heavy duty loader. MF 175D, sharp.

(Case) New 2090 Cab & Air, power shift \$23,950; 1977 Case 1070 power shift w/cab enclosure real nice, 1975 Case 970 w/4 post, P.S., 1070 P.S., 930 C.K.

Case 1370 - P.S., Case 970 w/P.S., Oliver 1858 & 1850 D w/over & under shift 1950T w/cab, 2050, 1855 w/20:8 tires, Ford 9600 diesel w/dual power and dual wheels, Ford 6600 w/cab, like new, 6000 Commander, D Ford 4000 MM S670 diesel.

COMBINES - JD 7700 Diesel w/Fire Damaged cab. N.I. Demo 768 WN 3 row head, N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads, JD 216 & 213 flex heads

IND. EQUIPMENT - Int. 510 4 whl. drive payloador used 500 hrs. like new. Cat 955 crawler loader, for \$5500.00, Case 850 D dozer w/hydr. blade, Michigan 55B Diesel Payloador, Case 530D. L & B - \$4475, Skid Loaders - Bobcat Hydro 720, 700. Ford CLA0 Skid Loader, NH L35. 73 Komatser D. 655 power shift loader.

CORN PLANTERS - New & Used 7000 JD 4 row w/Inst., Used JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, JD 1240 plateless w/inst. XX disk openers in exc. cond. new White 5100 four row planter fully eq. Bearcat 950 Grinder Mixer used twice, like new. Used Int. 1250 Gr. Mixer w/elect. scales - nice, N.H. 354 grinder mixer real nice \$3500.00; Int. 56 Blower for \$485.00. N.I. - 325 picker w/sheller, NI 324 w/super sheller, NH 36 Flail Chopper like new. New Brillion 22' and 25' fold culti-

mulchers. Call for old prices, Brillion 12 & 16 ft. packers.

JD #230 hydraulic fold wing disk; JD 220 hydraulic fold wing disk; White 252 wing disk.

New Case 8 row hydraulic fold cult. used N.I. 272 7 ft. cut/ditioner, JD #930 3 pt. R.H. JD #350 PTO drive 40 ft. elevator, used haybines, JD 1209, 1207, Hesston PT10, Case 550, NH 479, Grim Hay Tedder.

(New) NH 310 Baler damaged price \$1400.00. JD Model B Grain drill excel. JD 640 rake w/front wheel.

Used Int. 400-6 row cyclo w/Inst. and Monitor for \$1800; White 6 row w/no til fert. fill, inst. and monitor, (3 offset Disks) J.D. (SOLD) #360 12 ft., Wilbeck 12' offset like new, Miller 14 ft. offset. JD Disks #210. Int. #480-22 ft. Wing Disk, Oliver 13 ft. heavy blade disk.

PLOWS - 2 Int. 6X spring reset, Int. 7X on land reset, 5X reset, JD #350-4X reset like new, JD 7X on land hydrl. reset, Ford 5x18 spring reset, Ford 3x18 sp. reset, JD 2500 6x sp. reset, JD #4200 4 x 16 rollover plow, JD 3X rollover plow.

JD, Int. 5, 6, 7 trip New Bush Hog 12 ft. pull type chisel plow. JD #1600 - 16 pt. pull chisel plow, JD 12 ft. 3 pt. chisel plow; New White 14 ft. field cult., Kawanee 22 ft. Wing Disk Kawanee 15 ft. Roller Harrow. JD 400 rotary hoe.

Loaders - used JD 148, JD 58 used Int. 2350, MF loader for 1105, Int. Fast hitch 3 pt. adapters, 3 pt. hitch for 630 and 730 JD tractor. New and Used J.D. Quick Couplers. 4 Used 30.5 x 32 tires.

(Combines for Parts) JD 7700D, 105, 95 gas, Int. 715D, MF 510.

TRUCKS - 69 GMC cab over w/24 ft. Grove roll back body, 1980 Silverado Chevy diesel w/every option on, 1971 Ford - 1/4 ton pickup, 1976 Chev C65 w/7,000 miles w/14 ft. flat, like new; 1977 Delta 44 ft. Combine trailer, (New) NH Direct cut head for 770. (New) Kill Bros. gravity bins. New Kill Bros. 8 & 10 ton running gears. Pick up heads for Int. 550, 650, 350, Fox pickup head, Direct cut head JD 3800 & 38. JD 3 row narrow silage head. (20) sets of dual wheels all sizes.

JD front & rear weights, IH front and rear weights.

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FARM
EQ. INC.
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Hamburg, Pa. 19526
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The AG-BAG Sealed Storage System works with you as part of the total management program which can cut feed costs...improve nutrition...and increase your production and profits.

☐ I want to know more about the Ag-Bag System

Mail To: **AMERICAN AG-BAG INC.**
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Lititz, Pa. 17543

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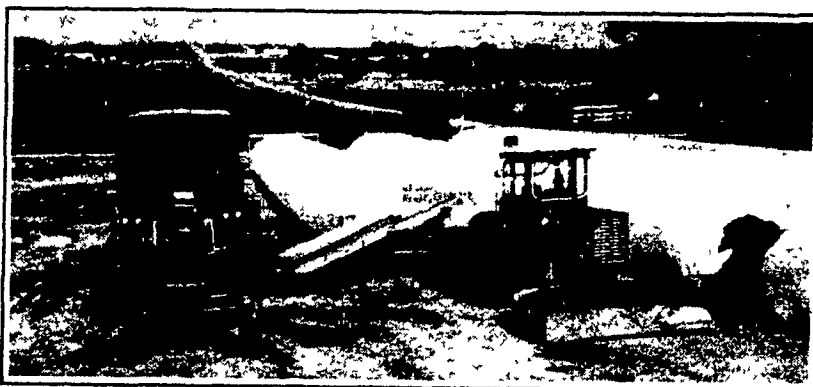
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50 E. 28th Division Highway
Lititz, Pa. 17543 Rt. 322 & 501 in Brickerville
Lancaster County, 717-627-3665

Exclusive Dealer For Pennsylvania, New Jersey, Maryland, Delaware,
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To Be Held At The Lititz Office
WEDNESDAY, JAN. 20, 1982
at 7:30 P.M.

CUSTOM BAGGING AVAILABLE
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- SELF POWERED UNITS AVAILABLE
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Forage
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&
PARTS**

Hesston
Farm
Equipment



FOR SALE

- (2) 20.8x38 8 ply Pierli radial tires. New \$990 each.
- Farmall M, fair condition, \$950
- Brillion 11' packer exc. cond., \$890
- Badger model 205-205 bu. spreader w/2nd beater, in new cond. \$2785
- NI mod. 200 PTO spreader, nice cond. \$765
- Taylorway 6'4" heavy duty offset disc harrow, 24" blades, new condition \$1600
- Danuser model BMBH front mounted post driver, exc. cond. \$925
- HEISEY FARM EQUIPMENT, INC.**
RD 1 Jonestown, PA
717-865-4526

NEW EQUIPMENT
WHITE -
Model 5100 4-Row Planter
2-85 Tractor
2-105 Tractor w/Cab
2-155 Tractor w/Cab

NEW IDEA-
213 Spreader w/Single Beater
214 Spreader w/Single Beater
243 Spreader
244 Spreader
245 Spreader
107 Spreader
325 Cornpicker
406 Rake

GEHL-
2600 Skid Steer Loader
FC7200 Flail Chopper
MX100 Mixer
MX 135 Mixer
CB1000 Forage Harvester w/TR 3038 cornhead & HA1100 hay attachment
F-99 Blower

2 BEHLEN CORN CRIBS IN STOCK

USED EQUIPMENT
MF Model 36 Hay Rake
FB88 Gehl Forage Blower
NH 880 Harvester w/3-row narrow cornhead
NI 218 Spreader, Reconditioned

MILLER EQUIPMENT CO.
RD 1 Bechtelsville, PA
215-845-2911

New Equipment Sale

Diesel Tractors	List	Sale
2440	\$21,183.00	15,900.00
4040	31,414.00	23,500.00
Plows		
2600 - 5 BTM Spring Reest Disk	9,765.00	7,295.00
225 - 12 ft. offset	6,091.00	4,650.00
115 - 10 ft. Chisel Plow	4,533.00	3,850.00
1610 - 11 ft. Pull Type	4,246.00	3,295.00
Mower Conditioner		
1209	8,470.00	6,495.00
1320	11,027.00	9,295.00
Spreaders		
34	3,505.00	2,895.00
445 Flail	5,255.00	3,725.00
465 Flail	5,910.00	4,295.00
Loaders		
158	4,194.00	3,295.00
260	5,057.00	4,095.00
Rear Blades		
45 - 6 ft.	430.00	350.00
65 - 8 ft.	714.00	625.00
78 - 8 ft.	544.00	450.00
88 - 8 ft.	869.00	775.00
115 - 8 ft.	1,377.00	1,050.00
115 - 9 ft.	1,601.00	1,225.00
155 - 9 ft.	2,520.00	1,825.00
Rotary Cutters		
609 pull Type	2,304.00	1,995.00
Wagon		
1075 10 ton	2,509.00	1,450.00
Sprayer		
550	4,462.00	3,195.00
Power Till Seeder		
1550 Demo	10,996.00	6,595.00
Forage Equipment		
3 row - row crop head	6,587.00	4,200.00
Bulldozer Blade		
534 - 9 ft.	3,149.00	2,395.00
Post Driver		
51	953.00	725.00

1981 Tire Inventory Sale

	Sale
4 - 13 6x38 - 6 ply Traction Torque	194.40
2 - 16 9x30 - 6 ply Goodrich	240.00
3 - 15 5x38 - 8 ply Power Torque	435.26
4 - 15 5x38 - 6 ply Traction Torque	273.18
1 - 18.4x34 - 6 ply Power Torque	499.36
1 - 18 4x34 - 8 ply Power Torque	499.36
2 - 14.9x26 - 6 ply Power Torque	307.30
1 - 13 6x38 - 6 ply Power Torque	194.40
2 - 11 2x28 - 4 ply Traction Torque	119.22
1 - 12 4x24 - 4 ply Traction Torque	119.87
1 - 14 9x28 - 6 ply Firestone A T Field & Road	150.00
2 - 16 9x28 - 6 ply Power Torque	259.31
2 - 18 4x30 - 6 ply Goodrich	187.50
2 - 12 4x38 - 6 ply Traction Torque	234.77
1 - 23 1x26 - 10 ply Power Torque	820.56
1 - 13 9x36 - 4 ply Traction Torque	156.66
2 - 18 4x38 - 8 ply Power Torque	549.76
2 - 20 8x38 - 10 ply Firestone A T	900.00

Waiver of Finance available on all New JD tractors 'till 6-1-82
Call for Details

PAGE NEUHAUS'ES INC.

John Deere Sales & Service
RD2, York, PA 17403
Phone - 717-428-1953

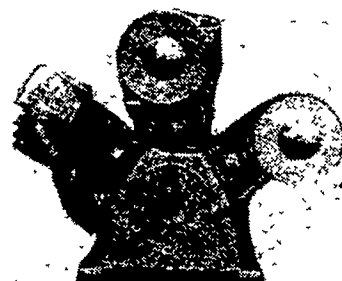


GOOD USED EQUIPMENT

- Tractors**
AC D17 Diesel
AC D17 Gas
MF 135 Gas
MF 265 low hours
(2) MF 1080 Cab
(2) MF 1100 Cab
MF 85 gas
Oliver 660 gas
Farmall 450 diesel
- Mower Conditioners**
Hesston 310 SP
1 Hesston PT10
Hesston 1014 10'
Hesston 1070
Hesston PT 7
- Miscellaneous**
Shaver 12" digger
Shaver post driver
- Forage Harvesters**
Gehl 600 w/grinder
JD 35 1-row
Hesston 2000
Fox 2000
- Hay Harvesting**
MF 3 pt. rake
MF 12 w/thrower
MF 37 rake
MF 124 baler w/thrower
- Combines**
JD 45 cab, 2 row
MF 300, cab, 1976
JD 3300 diesel cab
Jd 25
- Harvesting**
NI 324 w/329 sheller
NI 10 picker

Longenecker's, Inc.
At Clappertown Williamsburg, PA
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The new Curtis "Econo"-Line for those customers needing a high quality economically priced air compressor...you will find the "Econo" line far superior to similar models offered by our competitors

Curtis responds...compare -
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Hydraulic & Air Supplies
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M & R EQUIPMENT, INC. NEW PARK, PA

Ph: 717-993-2511 - 717-246-1972
(After 6 P.M. Call: 301-452-8693)

PAGE

WAIVER AVAILABLE

- ★ Waiver of Finance on New & Used Tractors Until 3-1-82 + Cash Rebates Just Announced
- ★ Waiver of Finance on All New and Used Hay and Forage Equipment 'Till 5-1-82
- ★ Waiver of Finance on All New and Used Loaders, Spreaders, Grinder-Mixers 'Till 4-1-82
- ★ Waiver of Finance on All New and Used Planters 'Till 4-1-82
- ★ WAIVER OF FINANCE ON NEW COMBINES 'Till 9-1-82 OR 13.9% FINANCING. CALL FOR DETAILS

1440 & 1420 Combines in Stock

In Stock and Ready to Go
Used 1460 combine, 900 hrs., excellent cond.
Waiver of finance available until 9-1-82!!
New IH wide front ends for Farmall 06, 26, 56 Series

AN UNBEATABLE DEAL
NEW IH 720 AUTOMATIC RESET PLOW w/COLTERS, 5 BTM, 20"
Sale Price \$6700

IH SHIPPER'S TWINE
"Finest Twine You Can Buy !!"
Was \$28.50
NOW \$24.85

New Tractors in Stock at Reduced Prices

3388 MUST SELL. 784 row crop
Call for price 584 row crop
98 SOLD 686 F SOLD H84 SOLD

USED EQUIPMENT

Farmall 766 diesel, mint cond.
F-560 Diesel - recent overhaul
JD 2510 tractor diesel, new short block, exc.
AC D17 gas, good price.
JD 640 Hay Rake, good shape.
JD 110 disc, exc. cond.
IH B414 diesel new engine 3 pt.

NH 273 baler like new fair price.
IH 2400A Diesel w/6 way heavy blade great for snow.
IH 11' Hi-Clear chisel plow model 55, trailing type.
(2) 5' rotary mowers 1 pull-type 1 mtd. both in exc. cond.

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NIGHTS:
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1468 INTERNATIONAL CAB
2 Remotes, Dual P.T.O. - 20.8x38's
2700 Hours - Twin Turbo's
- Nice & Original
\$11,500

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2050 \$6000
1950 GM \$6500
1855 - Cab \$10,000
1800 - 4WD \$5900
4 WD Front End
only \$1475
(2) 1650D Coming In
1800D Coming In
1750D \$7500
Oliver OC3 \$1500
1650D \$4950

JOHN DEERE
4430 Cab \$16,500
4020D \$7800
3020D \$6500
MT \$1350
(2) 5010 Choice \$6500
4230 - Cab \$14,500
4520 - Nice \$9800
4320 w/Lid \$10,500
(2) 620 \$2500
4230 Powershift-
4WD \$13,500
50 w/Loader, Mower
& Cult \$2000
4430 w/cab coming in
4320 coming in

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N 610DT \$10,900
560DT \$4750
N 310 \$6500
N 310C \$6500

CASE
1370D \$10,000
930DCK \$4500
1470D 4WD-
Cab \$12,000
(2) 930D CK
Standard \$2800
830D CK \$4000
930 Standard \$1500
1070 w/cab \$7000
1410 - 600
Hours \$10,750
1200 4WD \$6000
2670 w/Cab - 3 Pt.
P.T.O. \$24,500

ALLIS CHALMERS
220D \$6000
170D \$5200
WD-Wide Front \$1200
D12 \$1700
WD45 \$1200
190 XT \$4250
D19D w/3 pt. \$3800
D21 Series 2 \$6900
190XT - Cab \$5950

MASSEY FERGUSON
1150D \$6500
1105D w/Duals \$8500
175D \$4500
T030 \$1175
MF 50 \$2500
MF 35 w/Ldr \$2500
65 Diesel - PS \$2800
1130 w/Cab \$7800

FARMALL
1086D \$13,500
1466D Cab \$13,500
806D \$4650
706D German \$6500
(3) 706D \$4000
(2) 706G \$3250
656D \$5800
856 w/cab \$9850
856 \$9250
806 w/cab &
duals \$8000
(2) 340
w/Loader \$1700-\$2800
2400 w/loader \$6500
404 w/Mower \$3500
1468 w/Cab \$11,500
966 w/Cab \$11,500
560D \$2700
Int. 4166
w/cab coming in
434D w/loader \$4000

FORD
(2) 9N \$1100-\$1600
(2) 800 \$2000
9N w/Ldr \$1950
3000D - Nice \$5450
3000 Gas - PS
Nice \$4850
9600 coming in
8700 coming in

I.H. MACHINERY
720 5x20 Reset
Plow \$5000
700 6x16 Reset \$2800
203 Combine w/2
Heads \$1975
403 Combine Cab
w/Air \$1000
(3) 234 Sheller
Units \$950
645 Fieldcult - Pull
19' \$1875
F.H. Field Cult -
12' \$695
2X Cult - From \$100
53 4XFH Cult \$800
53 4X 3 Pt Cult \$1200
2XFH Plows \$400 & Up
4XFH Plow \$350
Rollbar w/Root \$675
555 Chopper \$750
Cub Spreaders
From \$500
18' Wing Disc
Rebuilt \$3900
13'6" W Disc
Rebuilt \$1800 & Up
12' W Disc
Rebuilt \$1800
11' W Disc
Rebuilt \$1600 & Up
8' FH Disc \$750
5' Cub Disc From \$350
480 25' Wing
Disc \$3900
#10 - 17 S.D.
Drill \$1800
2XFH Planter \$400
Cub Snow
Plows \$195 & Up
Extra Chopper Heads
6x30 air planter -
loaded \$2900

**NEW HOLLAND
MACHINERY**
354 Mill \$3850
352 Mill \$2850
(2) 850 Round
Baler \$4500 & \$5250
479 Haybine \$3000
477 Haybine \$1500
23 Blower \$450
890 Chopper \$3800
707 3 Pt 1 Row
Chopper \$1800
(35) Extra Harvester
Heads \$675
258 Rake \$1875
Tandem
Spreader \$2850

N.I. MACHINERY
Late 325 - 12
Roll \$5500
325 - 8 Roll &
Sheller \$5500
Late 324
w/Sheller \$4800
319 w/12 Roll \$3000
311 w/Sheller \$1650
331 w/Super
Sheller \$2950
12 Roll Bed for
Pull \$2850
(3) Mtd. Grinders \$750
Pull Grinder \$1675
(2) Mtd. Shellers \$950
(4) Pull
Shellers \$300-\$1000
Pull Super
Sheller \$1650
18 Spreader \$875

CASE MACHINERY
5X Reset Plow \$4900
1030 Cab - New \$1850
Extra Chopper Heads

J.D. MACHINERY
336 Baler &
Ejector \$3900
1209 Haybine \$1500
2500 7X18 on Land
Reset Plow \$6000
1450 6X18 Plow \$3350
(2) 1450 6X16
Plow \$2150-\$2950
2600 4X Reset
Plow (New) \$5500
40 4X3 Pt Cult \$395
RG4 4X3 Pt Cult \$895
(10) 2X Cult \$75 & Up
(2) 22' Hyd.
Wing Field
Cult - 3 Pt. \$1750
19' Field Cult
w/Wings - 3 Pt. \$895
(2) 290 2X
Cornplanters \$495
2X Potato Planters \$500
8' & 12' Line Drill \$300
5X16 Pull Plow \$850
(2) 3X16 3 Pt.
Plow \$475-\$775
2X Pull
Plows \$100 & Up
#5 Fodder Attach
For Baler \$495
55 P.T.O. Table
Blower \$350
38 Chopper \$750
(2) 40 S.P.
Combine \$1600
(2) FBB 17 Disc
Drill \$950-\$1850
Van Brundt 17 Disc
Drill \$950
KBA 24-28-32
Disc's \$295 & Up
Tedder \$195
Cab For 45
Combine \$650
(2) 43
Cornsheller
..... \$200 & \$500
(25) Extra Harvester
Heads Call
Air Cond. for 33-44-
66 Combine \$675
7000 6X30 Planter
Loaded \$9850
214 Forage
Wagon \$1750
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(2) 1974 Ford
Louisville
Diesel \$8650

TRAILERS
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35 ton
detachable \$15,750
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ton \$1650
New HSE14
4 ton \$1275
New HSM14
6 ton \$2000
New HSL14 6
ton \$1950
(3) New HTR16
8 ton \$2950
1976 Gooseneck 3
axle w/tilt top \$4800

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Davis DH5 trencher
New Diesel \$13,500
(6) Sweeper
attach. From \$95
(40) Used hoe
buckets From \$150
(25) Loader
buckets From \$95
(8) Set forklift
forks From \$300

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HP AIR
COMPRESSOR**
2 cylinder - single
phase - 80 gal tank
used 3 month
\$1750⁰⁰



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Long 3 pt.
Hoe-new \$4500
Long 5 in 1
w/cab \$17,500
(2) JD 310
..... \$11,500
Ware Hoe
Attach. \$2750
Case Hoe
Attach. \$2750
JD 9300 Hoe
Attach. \$5500
3 Pt. Backhoe \$2400
IH Hoe Attach. \$1800
Fordson Super
Major D \$4000

ROLLBACKS
1968 Int. Diesel -
24' \$7500
1976 Ford
Louisville
Diesel - PS - 5 & 2 - 24'
Rollback Nice \$23,750

SKID STEER LOADERS
Case 1740
Diesel \$6800
Melroe 500 \$3500
OMC \$3500

NI UNI SYSTEMS
701 Tractor w/cab
727 Husking Bed
2x40 Cornhead
3x30 Cornhead
Combine
Grainhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
705 Diesel w/cab - nice
760 Chopper
4x30 Corn Head

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I & T TRACTOR
SHOP MANUALS
FOR OLDER
& NEWER
TRACTORS**

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(2) 1974 IH & Ford
Diesels w/9' Bodies -
Air Brakes \$13,900

CRAWLER LOADERS
Cat 941 \$16,900
Cat 933 \$8750
(2) JD
350 \$6500-\$7500
JD 450B
w/9300 Hoe \$15,900

FORD MACHINERY
3000 Rollbar \$275
3000 Cab \$775
4X Planter \$1000
2X3 Pt.
Cults From \$250
2X3 Pt.
Plows \$395 & Up
3 Pt. Sickle
Mower \$495
3 Pt. Flail Mower \$695

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OLDER TRACTORS

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770 4X No Til
Planter \$2900
CII Combine Cab \$650
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3XSC Plows \$150 & Up
720 Chopper
w/2x30 & P.U. \$1850
"G" Snow Plow \$200
Extra Chopper Heads

M.F. MACHINERY
3X Rollover
Plow \$1250
35 Combine - Pull
Type \$2500
1150 Cab - New \$1850
1085 to 1155 Cab -
New \$2250



4230 JOHN DEERE CAB, AIR, RADIO
- 2 Remotes - Quad - Diff Lock -
3800 Hours - Nice Original Tractor
\$14,500

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Long 10' Offset \$3900
Wilbeck 12' \$4500
Offset \$4500
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mulcher \$2800
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Harrow - 3 Pt. \$875
New Speeco 6'6"
3 Pt. Disc \$495
New Round Bale
Feeder \$175
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Harrows \$395 & Up
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New Brute 8' 3 Pt.
Blades \$695
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Plow \$2500
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Manure Pump \$3500
Mayrath 32' \$650
Elevator \$650
Glenco 12' Pull Field
Cult. \$1675
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Saver \$3300
Meyers 6' Snow
Plow \$395
Danuser P.H.
Digger \$595
F.M.A. Tedder &
Rake \$1000
Hesston 10W
Mover \$600
Servis 14' Rotary
Mower \$1500
Gehl 9' Haybine \$1250
Terrain King 15'
Wing Rotary \$1950
Danuser P.H.
Driver \$395
Brillion 11' \$1800
Seeder \$1800
(2) 1X Potato
Digger From \$500
Brady 2X Stalk
Chopper \$350
Brady 4X Stalk
Chopper \$1350
MM D
Cornsheller \$675
Hutchmaster 13'
Offset Disc \$4500
Athens 5' 3 Pt.
Chisel Plow \$550
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Plow \$1395
Assorted 1X Cult &
Plows
Assorted Side
Dressers
Spike Harrows Call
Spring Harrows Call
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Corn Drags From \$400
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Cribs \$795
Woodsaws \$500 & Up
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165 Gravity Bins \$450

230 Gravity Bins \$525
Dunham 16' \$2250
Mulcher \$685
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B.H. 2 x 3 Pt.
Planter \$200
New 3 Pt.
Seeders \$395
EZ 16' Box 3
Beater &
Roof - No Gear \$2500
Lamco 16' Box - 3
Beater & Roof - No
Gear \$2400
8 Ton Gears \$550
10 Ton Gears \$625
12 Ton Gears \$975
(30) Sets of Duals
Lots of Harvester
Heads To Fit All Makes
New 7 Ft.
3 Pt. Blades \$235

**COMBINE CORN HEADS
NARROW ROW**
IH 833-743-733-429-
329
JD 643-443-343-434-
334-313
AC 630-430-330
Oliver 703N-541-531
MF 63-43-33-421-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30 - 4x30
WIDE ROW
IH 744-429-329-327-
724-229-228-227-25-
22
JD 434-334-234-210-
205-10-344
AC 440-435-240-238
Oliver 544-
531-522-512
MF 44-24-422-322-
222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

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TRACTORS &
MACHINERY

DUMPS - FARM
1974 Ford Louisville
18' Omaha Dump
w/Cattle Racks
Diesel \$14,950
(2) 16' Steel Dump
Bodies - Complete -
Excellent \$4000

LOG SKIDDERS
Franklin 133B w/Log
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**COMPLETE RUNNING
GAS & DIESEL ENGINES**
50 On Stock - Call

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MACHINERY**
1750 Cab \$500
Rollbar w/Root \$675
4WD Front End For
1850 \$1475
285 Field Cult - Pull -
18' \$1875
254 - 10' Wheel
Disc \$1200
252 - 12' Wheel
Disc \$1350

BEST
WISHES

Get up on your high
horse this New Year,
make the most of
it! May good cheer
and happy days be yours!



FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

HAYBUSTER. BIG BALE BUSTER. THE SENSIBLE SOLUTION FOR FIELD OR FEED BUNK FEEDING

a new
idea to save
you time and money

Just lower the fork (hydraulic operation), back it under the bale and the bale is lifted into the shredder.



Use the BALE BUSTER for "bedding" - inside or outside. Drop adjustable deflector down for range feeding. Spreads bale in an easy-to-feed windrow.



Shredding big bales into feed bunks is an easy job for the BALE BUSTER. Flow control valve regulates grinding for coarse or fine feed... SENSIBLE!



Shred big bales right in the field for range feeding. The BALE BUSTER lays ground hay evenly in easy-to-feed windrows - no trampling or hogging by cattle... SENSIBLE!
A one man operation, simply back up

to the bale... pick it up with the fork... tilt it into the BALE BUSTER... all in a few seconds. You're ready to shred hay into feed bunks or field windrows... SENSIBLE!
(Bunk feeder attachment optional)

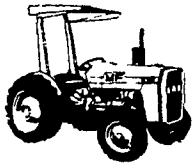
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TRACTORS & EQUIPMENT

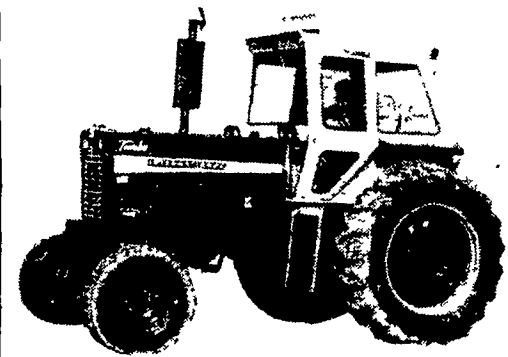
IH 154 Cub Low-Boy Tractor w/Mower	NH 892 Fg Harvester
IH 340 Farmall Tractor	Fox 1000 Forage Harvester
MF 3165 Tractor w/Loader & Cab	NH 451 Mowers
MF 203D Tractor w/Loader	(3) NH 36 Crop Chopper
MF 1085 Tractor	NH 270 Baler w/thrower
MF 205 Diesel Tractor w/Loader	NH 269 Baler w/thrower
MF 50 Tractor w/Loader	NH 1010 Bale Wagon
MF 40 Dsl Tractor and Loader	MH 35 Combine
MF 35 Tractor	Brillion 12' field cultivator
Ford 641 Tractor w/Loader & Bucket	NH 510 Manure Spreader
Farmall Super H Tractor	NI 213 Manure Spreader
JD MT Tractor	AC Blower
Ford 8N Tractor w/loader	AC 516 Plow

NEW M.F. EQUIPMENT

MF 275 Tractor	MF 34A Loader
MF 245 Tractor	MF 34A Loader
MF 265 Tractor	MF 32 A Loader
MF 230 Diesel Tractor	MF 246 Loader
MF 220 Tractor	(2) MF 216 Loader
MF 210 Dsl. Tractor	MF 300A Loader
(2) MF 205 Diesel Tractor	MF 640 Corn Planter
MF 50C w/Loader	MF #43 2B Plow
MF 50C w/Loader	MF 820 Disc Harrow
MF 40B w/Cab	MF 520 Disc Harrow 14'
MF 40B w/Cab	(2) MF 320 Disc Harrows
MF 30B w/Cab	MF 226 Scraper Blade
MF 20C Tractor w/Loader	MF 227 Scraper Blade
MF 124 Baler	MF 218 Rotary Cutter

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IH 1206 WF dual pto, 3 pt. new ta.
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1970 JD 3020 D Side Console 38" rubber. Clean local tractor
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IH 966
Farmall M with wide front
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7 or 9 tooth chisel plow, 3 pt. mtd.

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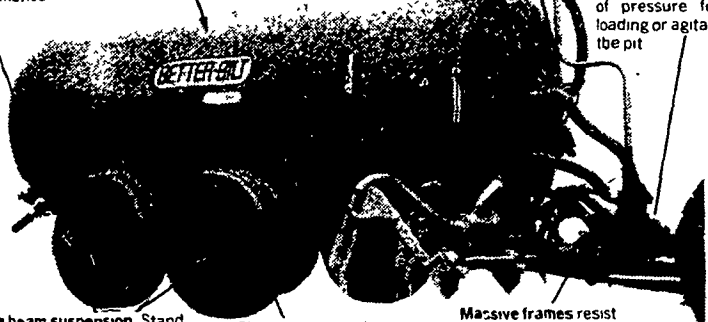
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Massive frames resist the wrenching twisting, jolting shocks of hard field usage year after year.

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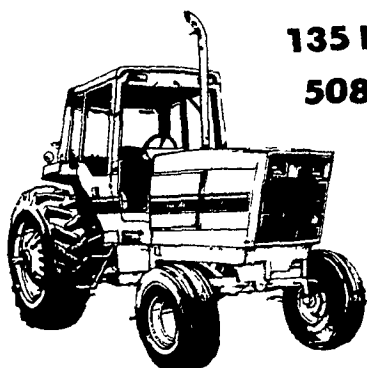
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- High Pressure Pumps

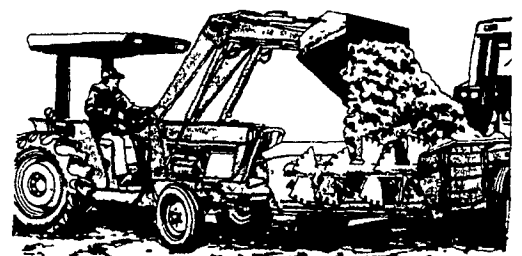
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See The NEW INTERNATIONAL SERIES 88 TRACTOR



135 HP
5088

INTERNATIONAL 584 TRACTOR/2250 QUICK-ATTACH LOADER



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Call For Spring Terms

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2-605D balers
4-504F baler, only 1 left
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1-MC 9 mower-cond., \$6470
3-F100 bale feeders, \$2495
1-500 gpm irrigation system, mobile equip., soft hose, 1/2 price - \$7400

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2-Haybuster model no. 1068 no till semi-mtd. grain drills
1-Tye 3 pt. no till drill
1-Bale Buster for mulching lg. round bales

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1-1450 lb. fert. spreader, \$780

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1-30 hp, 2 buckets, \$8000
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1-6 wheel trailer rake
2-8 wheel - V-rakes
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3-950 lbs. fert. spreader
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1-Lely tedder rake, used
1-Badger manure souper, 10' demo
2-used NH balers
1-SP Hesston windrower
1-605D Vermeer Baler
1-605E Vermeer Baler
2-540F Vermeer Baler
1-#10 Hesston Stackhand
1-Model 340 JD Disc Harrow

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* Model 3510
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200 gallon
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NI 243 6.5 Ton

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(3) #212-146 bu.
(5) #213-176 bu.
(4) #214-206 bu.
(1) #218-300 bu. w/top
beater & hyd. gate

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axle
(1) MF 160 bu.
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Hyd. gate, very
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Chisel Plow, like
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Duty Ford Loader
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Snow Blade
w/brackets to fit
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8' Snow Blower,
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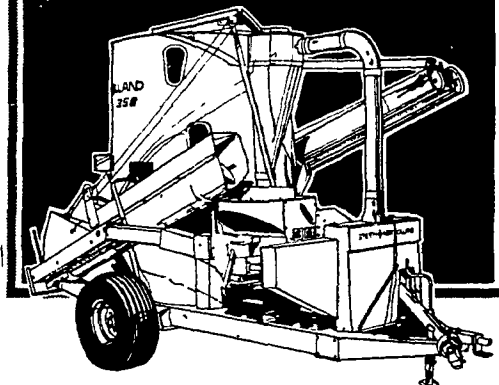
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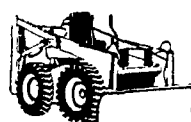
NH 519 Spreader, Hyd. Gate, Splash Guard, Excellent Condition.	NH Model 850 Round Baler	JD 1209 Mower Conditioner
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IH 574D Row Crop	IH 37 Baler w/Thwr.	IH 531 Plow
IH 656 with New Engine	320 NH Baler, used season, ex. cond.	IH 9A Disc Harrow
IH Farmall M Tractor	NH 275 Baler w/Thwr.	JD KBA Transport Disc Harrow
IH Farmall H Tractor	NH 489 Haybine, Ex.	Grove Forage Box Wagon, Ex. Cond.
JD 420, 3 pt. Hitch, Power Steering	NH Model 495 Haybine, 12 ft. ex.	NI Hay Rake
Oliver 77 Tractor	NH 276 Baler w/58 Thwr.	NH 258 Rake, used 1 season, ex. cond.
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New Trailers - All sizes and prices Call

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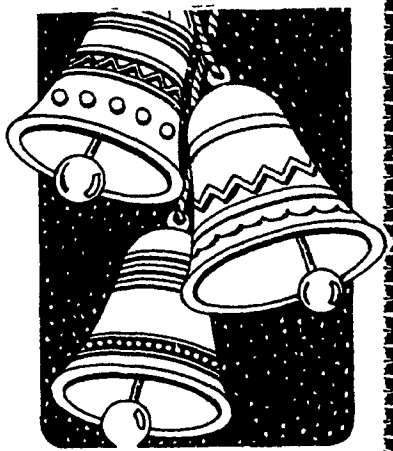
Fordlane Paver, ex. cond. \$3100
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1 Ton Roller \$2000
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1 to 3 ton Virbra-Pac \$2800
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Electric/Hydraulic/Angle
17' Dico BlockUnloader, Complete \$7000
Davis Trencher 300+ \$2500
Ditch Witch Model R65 Loaded \$3000
\$9500

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IH 674 D
IH 656
IH 606 D
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IH 434
IH 400
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IH 300
IH Super MTA
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David Brown 995D
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JD 820 D
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Gehl #M6
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JD 70

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Ford 3x16 Plow
IH 311 3x14 Plow
IH 45 Vibra Tine Cultivator
MF 4 Row Cultivator

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IH 400 4 Row no-till
JD 1240 Row
IH 449A 4 Row
JD 290 2 Row
IH 56 4 Row
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w/Scales

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Hesston 1014
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NI 270
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729 A Shelter
737 Husking Bed
726 Husking Bed
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770 Feeder House
741 Feeder House
724 3RW Corn Head
NI 324 Corn Picker
NI 325 Corn Picker
Oliver #5 Corn Picker
IH 234 Corn Picker
IH 205 Combine
IH 303 Combine
IH 715 Combine

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NI 214
NH 202 Ground Drive
NH 676
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NH 68 Baler
NH 275 Baler
Oliver 620 Baler w/Thrower
JD 483 Mower Cond.
NH 467 Haybine
NH 469 Haybine

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Bobcat M600

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MM 4-16 HAR Semi Mtd. Plow
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Ontario 16-7 Grain Drill, 1 Yr. Old
IHC 16' Cart Harrow

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NH 717 Harvester w/1-Row
NH 880 R2-2-Row Head

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NI 324 2-Row w/12 Roll Bed

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NI 214 Spreader
NH 510 Spreader
NH 367 Tank Spreader, LH

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2-30 Two Wheel Drive
2-45 284 Wheel Drive
2-62 Tractor
2-105 Tractor

WHITE
543 6R Planter No Till
5100 6R No Till
WHITE 254 10' 4" disc

N.H. L425 Loader
N.H. 256 - 258 Rakes
N.H. 707, 718, 782, 892 Harvesters
N.H. Spreaders - 513, 519, 679 & 800
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Bobcat 530, 641 & 743
Tye No Till Drill
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FARM EQUIPMENT



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MF 180
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JD 1010 G Dozer w/Winch
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Gehl 2600 Skid Loader
NH L-35 Skid Loader
NH 518 Manure Spreader
Starline Tank Spreader
USED COMBINES
(2) MF 300 Combine w/Cab, Q.A., 2-row corn & 10' grain-table
JD #45 Combine w/2 heads

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2-JD 346 Wire Tie Balers w/Throwers
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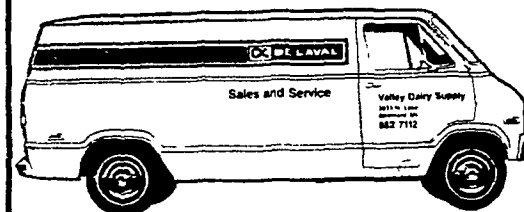
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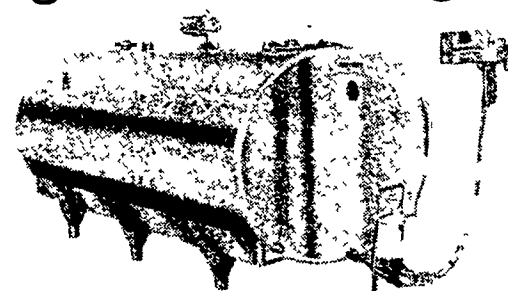
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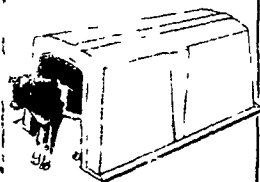
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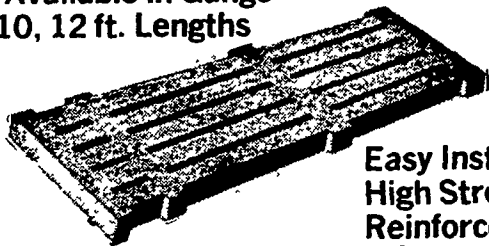
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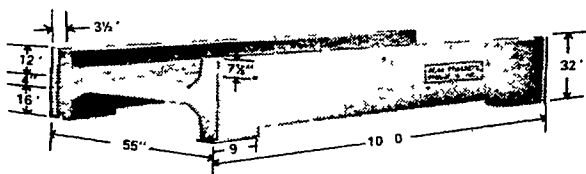
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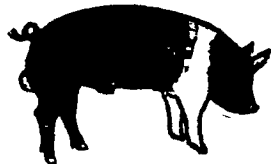
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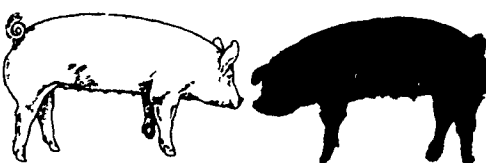
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\$200 cash prize for cutest pup purchased Tues. March 2, 1982



**Jo Jo the Dog Man
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RD 1, Manheim, PA
Tuesdays from 5-8 pm
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P.S. Puppy stand closed until March 2, 1982. No pups needed until then.

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366 V8 engine, AT540, automatic transmission, aluminum body w/curbside door and roll-up rear door, power steering, radio, new paint.

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14' REFRIGERATED VAN** LN7000

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1977 PETERBILT 352S86

Tandem axle diesel sleeper, 360 cat engine, 13 sp. trans., PS, AC, air ride suspension, overhauled, with or without new paint.

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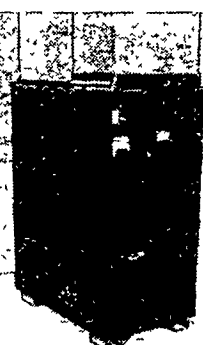
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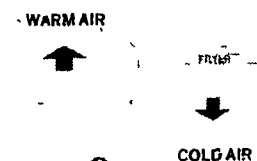
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For Sale - 43A Farm, mostly iron stone soil, four bedroom house, running water, along Oaklin Drive and Yellow Hill Road, Brecknock Twp., Lancaster Co. \$155,000. Some financing available, low interest. Menno Shirk, RD #2, Brown Road, East Earl, Pa. 17519.

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HOG FARM NEAR LEBANON COUNTY - Completely modernized manure pit, hot water, wood and oil heat, 2 1/2 story colonial 4 bedrooms, high production Chester soil. Call All County Realtors 215-775-4800.

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Honest, young dairyman with family would like to purchase or lease-purchase dairy farm with owner financing. Have four years milking experience and capital that could be used toward the purchase of herd and machinery. Prefer Lycoming, Upper Northumberland, Union, Montour, Snyder or Centre Counties. If interested please call (717) 322-1759.

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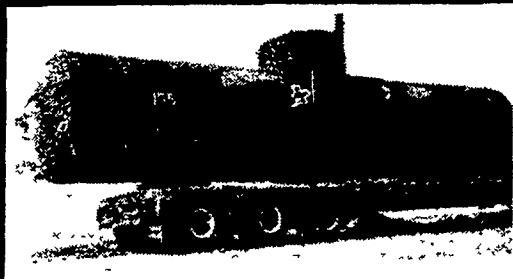
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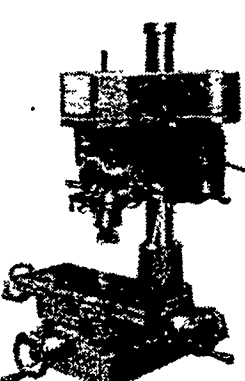
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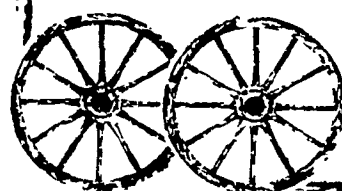
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55 acre general farm featuring lovely log & stone home
w/modern kitchen, center stairs, 5 rooms with livingroom
fireplace, 5 bedrooms & bath, 2 car garage, bank barn, 2
machine sheds, corn crib, silo & much more. A very lovely
setting. \$385,000 Reduced to \$300,000.

BRADFORD COUNTY

NEW

81 acre dairy farm with lovely frame colonial with 10 rooms
& bath. 26 stall barn, barn cleaner, 2 story garage & out-
buildings. \$66,000.

4 Acres w/lovely 2 story home, kitchen, DR, LR, 4 BR &
bath, fruit & nut trees. Asking \$33,300.

450 acre dairy farm, 365 acres tillable featuring 154
freestall barn with 2 bunk feeder units, double 8 herring-
bone parlor with sick room, 1000 gal tank & milkhous-
e with two 1000 gal tanks. 1000 silos and one 20 x
55 silo with unloader. 245 pole styled dry cow &
heifer barn with 8000 lb rough feeding. Lovely 2 1/2 story
home with 11 rooms & 2 baths. 2 ponds. All this & much
more for \$490,000. Call for details #311.

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE

Rt. 100 Herford, PA 18056

Ph: 215-679-5919

180 acre, 150 tillable, level land to gentle rolling. beautiful
big new rancher w/fireplace, barn remodeled w/new addi-
tion, 58 tie stalls, could easily add 16 stalls, bulk tank, dump
station, 18x65 concrete stave silo w/unloader, heifer
barn & machinery shed. Located on macadam road. Sets
very nice, must be seen to appreciate. All for \$225,000.
Cattle & machinery optional. Additional acreage available
for rent.

NORTHUMBERLAND CO.

158 acre, 971. General Farm lovely 4 bedroom home,
kitchen, living room, dining room & bath. 2 story barn silo
& outbuildings. Also 2nd home wreat in kitchen, living
room 2 bedrooms & bath, all for \$158,000 #342.

SUSQUEHANNA COUNTY

140 acre dairy farm, 95 tillable, gently rolling to almost
level. A picture clean farm operation with 42' stanchions,
stainless steel pipeline, 2 box stalls, 6 calf stalls & enclosed
spreader pit. Two 20 x 40 concrete stave silos with
unloaders, 650 gal bulk tank, 2 large poll sheds for
machinery & heifers, frame 8 room 2 1/2 story house,
modern kitchen, 1 1/2 baths, carport & patio. Must be seen
to appreciate. \$225,000 #324.

NEW

437 acre dairy farm, 50 stall barn with pipeline, bulk tank,
barn cleaner & 18x50, 14x50 & 12x40 silos. Heifer barn &
machinery shed, shop & garage. Lovely stone & frame Col-
onial home with modern kitchen 8 rooms & 2 baths. Also
new second home with 5 rooms & bath. Call for details.
\$325,000.

74 acres 671 features 106 comfort stall barn 1000 gal
tank pipeline 89 free stall heifer barn 30x70 concrete
silo solid 2 1/2 story 4 bedroom home w/bath. Asking
\$165,000. Also renting additional acres.

BUCKS COUNTY - NEW

100 acres of level limcum Bucks County soil 951.
features lovely 2 story double home w/11 rooms & 2 baths.
2 story bank barn w/50 stalls 1 mi. road frontage. A good
operating dairy farm. \$360,000.

Lovely 2 story colonial home w/4 bedrooms 2 baths. 2 car
attached garage, beautiful landscaping 5 acres partly
wooded picturesque setting \$129,900. Additional acreage
available.

NEW

145 Acre jug milk farm superb facilities, lg. store & sales
area, 3500 gal. milk holding capacity, modern processing
facility including ice cream making, 185 cow free stall, 5 lg.
silos, lg. heifer facility, 2 double houses & 1 single home,
shop, storage sheds, outbuildings, 200 cows, 250 heifers,
full line of machinery additional rental acreage available.
Pays for itself. Call for details \$1,500,000.

SNYDER COUNTY

101 Acre dairy farm features lovely home, large kitchen,
1 1/2 baths, 4 bedrooms & laundry, 1000 gal tank w/box
stalls, 8 stall herringbone parlor, 10 feeders 20x60 con-
crete silo w/unloader, 40x120 pole building, bank barn &
much more. \$160,000 Reduced to \$170,000 #328.

96-acre general farm, 60 tillable with nice 2 1/2 story frame
colonial double home, 11 rooms, 2 baths, 2 kitchens all in
good condition. Large barn set up for 10,000 broilers. Trout
stream on property, good hunting & fishing area.
\$130,000. Reduced to \$120,000 #307.

188 Ac. general farm w/68 A hard timber good 4 bedroom
home w/kitchen, LR & Bath very nice laying ground & much
more \$175,000.

JUNIATA COUNTY

REDUCED

160 acre general farm, 125 tillable featuring lovely 2 1/2
story 8 room farmhouse with country kitchen, 3 floor
15,000 bird broiler house, 100 x 80 bank barn & 30 acres
box wire fencing. Concrete silo & large bunk silo good
ground. All for \$250,000 Reduced \$210,000 #320.

10 acre w/lovely Cape Cod 8 room & 2 baths full basement
in a very nice setting, excellent for hunting or vacation
home, nice view, \$65,000. #283.

COLUMBIA COUNTY

180 acre dairy farm 118 tillable 36 stalls bulk tank
several sheds & second small barn corn crib 2 silos &
grain storage bins. Lovely 2 story farm house with 9 rooms
& 1 1/2 baths remodeled. Slightly rolling & level good
ground. \$225,000. make an offer reduced \$210,000
#310.

20 acres with small barn pond wooded and open ground.
Nice area. Financing Available. Asking \$45,000.

NEW JERSEY

80 acre dairy farm gently rolling to level streams & pond.
2 1/2 story home with 4 bedrooms & 2 baths large remodel-
ed kitchen dining rm & laundry 60 stall barn & 80
freestall milkhous. bulk tank large shop, new large
machinery shed & corn crib 14x40 concrete silo & 200x25
trench silo. \$250,000.

FARM FOR SALE

105 acres All tillable Includes house, dairy barn, silo Delta, PA (York Co south of Rt. 372)
Owner
305-781-1760
216-221 9090

BERKS COUNTY FARM FOR SALE

150 acres at R D #1, Myerstown, 85 acres of cropland in a high state of cultivation presently being tilled for small grains and soybeans This would be an ideal farm to irrigate because it has 2800 ft. of frontage along the Swatara Creek The balance of the land is hardwoods and meadowland. 2 1/2 story farmhouse, summerhouse, old barn which needs repairs, hard road frontage. \$205,000 Call Nelson Ebersole, 717-867-4487
SUBURBAN REALTY
30 W. Main St.
Annville, PA 17003
717-273-9358

FARMS FOR SALE Chester County Near Oxford

90 Acre Dairy Farm
190 Acre Dairy Farm
50 Acre General Farm
68 Acre General Farm
60 Acre General Farm
10 Acre, no bldgs
61 Acres, no bldgs.
7 acres stone home, barn, tenant house
Some of these farms are owner financed to qualified buyers. Possession on all farms on or before April 1, 1982

MAURICE E. LEHMAN, BROKER
1960 Horseshoe Road,
Lancaster, Pa. 17601
717-394-2460 or
Daniel E. Snader,
Agent
New Holland RD 3,
Pa. 17557
717-656-7789

Farmette

4 BR home large barn garage sheds 5 A pasture 5A tillable 10 A wooded Your choice 10 or 20 A \$49,000 or \$59,000 Buy or rent with option to buy

4 - 400 500 A farms. 200 - 400 A tillable Grain, beef or vegetable operations Lg grain storage \$1500 to \$2000 per acre

62± acre general farm, private setting, large, 12 room home, coal or oil heat 30x60 bank barn. 35 tillable 15 pasture 10 wooded Possible owner financing 25% down 12% interest \$79,000

Ringtown Valley, 176 acres, lg gravity water supply to house, barn and pond, vegetable or crop farm, 88 tillable, balance wooded, bank barn, 7 bedroom house, possible owner financing at 10%. \$150,000

Lykens Valley 160 ± acre operating dairy farm, new 40 stanchion barn plus 40x100 hay storage barn, new 20x70 silo, stream borders, large 6 bedroom home secluded \$350,000.

Plain Acreage

49 acres secluded but near I-81 15 tillable, balance wooded, some timber, excellent deer hunting possible terms at 12% interest \$39,000

PETER B.**CORTELYOU**

Real Estate Herndon, PA
717-758-9177

HAPPY NEW YEAR**Do You Want to Farm?**

Then allow us to help you reach your goal. We can do this through several of our listings which have excellent owner financing.

#1 125 acre limestone general farm in Cumberland County. 110 tillable - 8 miles from Merionite Church.

#2 Beautiful dairy with 60 stanchions and pipeline - barn 9 years old. 237 acres-180 tillable. Several equipment sheds and 20x70 silo. A real turn key operation in Union County.

#4 Large fruit farm in Cumberland County with the possibility of five 10 acre lots.

#5 97 acres of woodland with Campsites and Operating Grist Mill. 10% owner financing.

Call for more information on these and other properties.

FARM & HOME REAL ESTATE
Smoketown, PA
717-291-2270

Sylvester Baum Carlisle 717-776-3967
Mahlon Oberholtzer Lancaster 717-392-1177
Broker-J. Irvin Denlinger 717-898-8962

LIMESTONE GROUND STONE HOUSE 130 ACRES

HUNTINGDON COUNTY - 15 miles from State College - Beautifully restored 3-bedroom stone house, plus 4-room all-electric apartment. Abundant spring water, second spring, streams, farm pond, 100 tillable acres (predominantly Hagerstown), 30 acres pasture, with barn and outbuildings. This is the house and farm for you. \$260,000.00. Owner will subdivide house, barn, and 17 acres.

CALL:

TRI-COUNTY REAL ESTATE AGENCY, INC.
305 Penn Street, Huntingdon, Pa. 16652
(814) 643-5010

NORTHCENTRAL PA.**FARMS & INVESTMENTS**

Priced To Sell

Priced To Sell

VEAL FARM - Presently 120 HD operating Veal Farm with potential for 300 head or more in 3 large existing buildings. Contract available for sincere buyer. Garage & workshop. Gas operated generator, 2 wells. Gorgeous 3 BR house remodeled in the best of taste, attached garage, much more. All on 28 ac. All ready to go for the young tiger. Possible lease purchase. \$79,500. W-570 PH: 717-724-5921

"AFFORDABLE FARM" - Overlooking the Cowanesque Dam in Tioga county, PA, on NY border, 100+ acres, approx. 40 tillable, 50 tie stall barn w/mow conveyor, 20'x60' silo w/unloader, fair to poor house, major cleanup needed around buildings, frontage on 2 roads. priced right at just \$85,000!!! #M-209 PH: 717-662-2138

90 ACRE FARM - 54 acre apple trees, business opportunities for an aggressive enterprise. House needs some remodeling. Orchard equipment in good condition. For the young tiger. Only \$112,000 W-592.

CALL OR WRITE US FOR OUR FREE LISTS!



Offices: Area Code - 717
TIoga & POTter Counties call or write
WELLSBORO, 120 East Ave. - 724-5921
WESTFIELD, 108 Main St. - 814-367-2249
MANSFIELD, RD 1, Box 41 - 662-2138

OUR #1 AIM IS SERVICE

PENNA FARMS CUMBERLAND CO.

158 A. DAIRY FARM - (will sell less acreage) limestone soil, 150 acres tillable, 8 room log and frame dwelling, bank barn w/parlor, milkers and tank. Frontage on 2 roads with 11 approved lots. Price adjusted.

New Listing.

80 A. HOG AND BEEF FARM, level murrill soil, all open land, frame house, bank barn, implement storage, road frontage with beautiful setting.

HUNTINGDON CO.

172 A. GENERAL Modern 7 room house, pond, barn - near Raystown Lake. PRICE ADJUSTED.

CHARMING LOCATION - 38 acre hog and beef or horse lovers delight. 30 acres tillable, farrowing pens with liquid manure storage, machine storage, 2 car garage, 8 room frame dwelling, nice road frontage.

"NO OBLIGATION APPRAISAL"

Charles Wenger, GRI, 263-0945
George Ebener 249-4979
Wilbert Diehl 258-3231

GEORGE L. EBENER & ASSOCIATES REALTORS

139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

MAILBOX MARKET**Advertising and SUBSCRIPTION FORM**

will be found
on Page B30 & B31

SHEETZ REAL ESTATE RAY N. WILEY-INC.

323 W. Main St.
Mount Joy, PA

CALL 653-1481

FARM LISTINGS NEEDED

Farm Salesman - Eugene Kreider

CENTRAL PENNA. FARMS**PERRY COUNTY**

80 acre general. Full set buildings. Frontage on Shermans Creek. Call Mr. Bitting.

CUMBERLAND COUNTY

212 acre dairy. 75 cow-loose housing, 3 silos, mod. stone house. Call Mr. Niesley.

144 acre Beef. New barn, brick house, creek frontage, secluded. Call Mr. Niesley.

130 acre limestone dairy, 33 tie stalls, exc. bldgs., modern 2 story brick house with character. Call Mr. Niesley.

82 acre limestone dairy, 35 tie stalls, exc. bldgs. Call Mr. Niesley.

33 acre secluded, 20 wooded, no buildings, stream. Call Mr. Niesley.

FRANKLIN COUNTY

170 acre limestone dairy, 18 ties, 2 silos. Call Mr. Crawford.

JUNIATA COUNTY

50 Acre Hog and Poultry. Limestone and sandstone soil. Call Mr. Benner.

5 1/2 acres timber, 1/2 hard wood, 1/2 Christmas trees. Call Mr. Bitting.

MIFFLIN COUNTY

118 acre limestone dairy, 87 freestalls, 3 silos. Call Mr. Crawford.

**JOHN B. NIESLEY REAL ESTATE**

32 West High Street
Carlisle, Pennsylvania 17013
717-249-8787

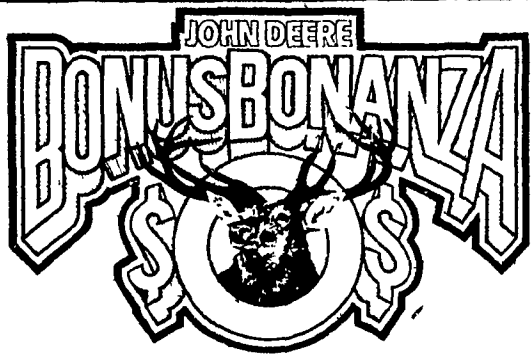
RICHARD B. CRAWFORD - 717-734-3673
CLAIR R. BENNER - 717-444-2162
EARL I. STERN - 717-748-7376
GREGG R. BITTING - 717-789-3368 or 789-4513
STEVE E. ORRIS - 717-789-3368 or 789-4177

BERK'S COUNTY DAIRY FARM

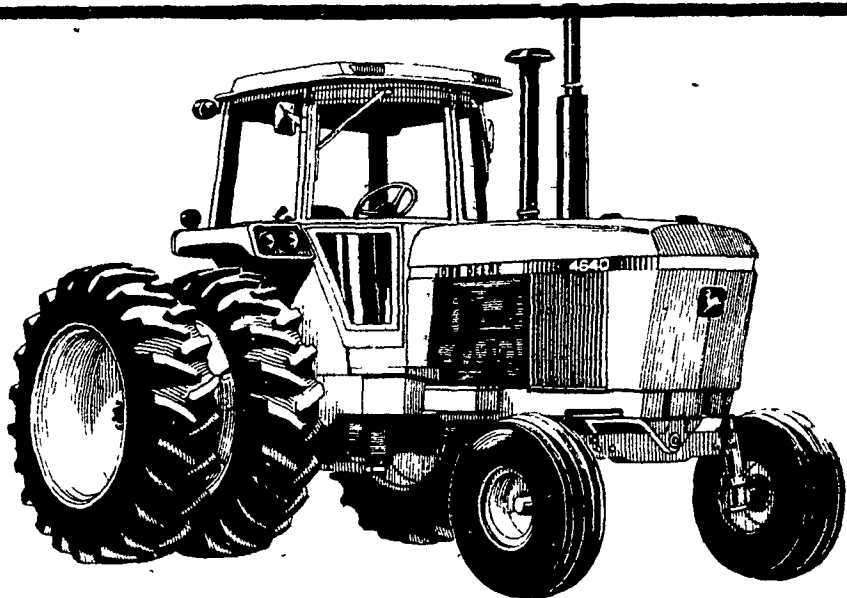
118 Acres, 2 Barns, Equipment Shed
and Pipeline Milking System.

RICH BRANDT REALTORS

2230 5th St. Highway, Reading, PA 19605
(717) 274-3622 - office - (215) 378-1122



Hurry — bonuses end January 30, 1982:
\$3,200 to \$4,000 on 40 Series John Deere
4-WD tractors . . . \$1,400 to \$2,600 on
row-crops . . . plus waiver of finance



January is the last month you can buy a new 90- to 275-hp John Deere tractor listed here and earn a John Deere money bonus from \$1,400 to \$4,000. John Deere money that you can spend for goods or service here will be mailed to you after we make delivery.

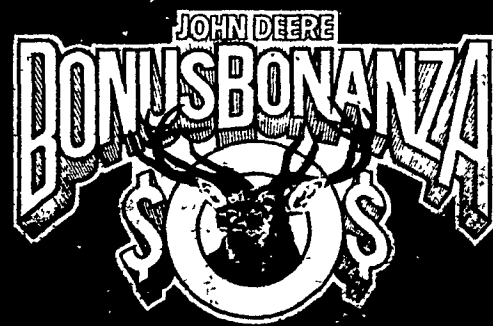
That's not all. Use the new variable-rate John Deere finance plan and no finance charges will accrue on these new tractors and new or used implements bought with them until June 1, 1982*. Variable-rate financing means you can finance the machines you need now and automatically benefit from any future reduction in interest rates.

Don't miss this chance to earn bonus money on these John Deere tractors.

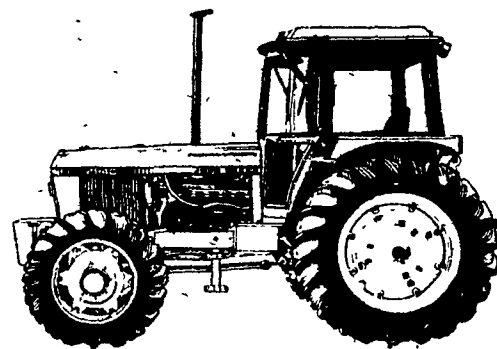
40 SERIES ROW-CROP AND 4-WHEEL-DRIVE TRACTORS

TRACTOR MODELS	BONUS IN JOHN DEERE MONEY THROUGH JANUARY 30, 1982
4040 2-WD, 90 PTO hp	\$1,400
4240 2-WD, 110 PTO hp	\$1,600
4440 2-WD, 130 PTO hp	\$1,800
4640 2-WD, 155 PTO hp	\$2,200
4840 2-WD, 180 PTO hp	\$2,600
8440 4-WD, 215 eng. hp	\$3,200
8640 4-WD, 275 eng. hp	\$4,000

*This finance offer may be withdrawn at any time



Bonuses end Jan. 30, 1982:
Don't miss your \$700 bonus
on any new 40- to 80-hp
40 Series John Deere Tractor



It's a buyer's market, as you're aware. During January we're making it a John Deere tractor buyer's market for you with a bonanza of bonuses:

- We're now offering very competitive deals on 40-hp 2040, 50-hp 2240, 60-hp 2240, 70-hp 2640 and 80-hp 2940 tractors. PLUS . . .
- You get a \$700 John Deere money bonus on whichever model you buy. A bonus you can apply to the purchase price or spend for our goods or service. PLUS . . .
- Use the new variable-rate John Deere finance plan and no finance charges will accrue on your new tractor and new implements bought with it until June 1, 1982. PLUS . . .
- Lease any of these tractors and receive a 10 percent discount on all lease payments. PLUS . . .
- Get "extra" tractor features at no extra cost. A synchronized transmission and independent PTO are now included in the base price of a 1982 model 2040 and 2240 as well as the 2940 (now available with optional Sound-Gard® body).

Sharp equipment buyers make their buys when the market is competitive, when bonuses reduce prices, and when money-saving finance terms are available. That's now . . . during our John Deere Tractor Bonus Bonanza.

A.B.C. GROFF, INC.
 New Holland, PA
 717-354-4191

ADAMSTOWN EQUIPMENT INC.
 Mohnton R.D. 2, PA
 (near Adamstown)
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CHAPMAN EQUIPMENT CENTER
 Agway Inc.
 Chapman, PA
 215-398-2553

CLUGSTON IMPLEMENT, INC.
 Chambersburg, PA
 717-263-4103

J.S. COVERT & SONS
 Neshanic Station, NJ
 201-369-5241

OXFORD GREENLINE
 Oxford, PA
 215-932-2753
 215-932-2754

EVERGREEN TRACTOR CO., INC.
 Lebanon, PA
 717-272-4641

FOSTER EQUIPMENT SALES
 Elmer, NJ
 609-769-1535

H.R. GUTSHALL & SONS, INC.
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 717-249-2313

ROBERT G. HAMPTON, INC.
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The Long Green Line™



Nothing runs like a Deere®

TAM SERVICES INC.
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 717-334-3710

I.G. SALES
 Silverdale, PA
 215-257-5136

NEUHAUS'ES
 York, PA
 717-428-1953

KERMIT K. KISTLER INC.
 Lynnpport, PA
 215-298-2011

LANDIS BROS. INC.
 Lancaster, PA
 717-291-1046

ROBERT E. LITTLE INC.
 Zieglerville, PA
 215-287-9643

PIKEVILLE EQUIPMENT INC.
 Oyster Dale Road
 Oley RD2, PA
 215-987-6277

GEORGE V. SEIPLE & SON
 Easton, PA
 215-258-7146

SHOTZBERGER'S EQUIPMENT
 Elm, PA
 717-665-2141

TOBIAS EQUIPMENT CO., INC.
 Halifax, PA
 717-362-3132

WENGER IMPLEMENT, INC.
 The Buck-Quarryville, PA
 717-284-4141

WOODHULL EQUIPMENT, INC.
 Medford, NJ
 609-654-2011

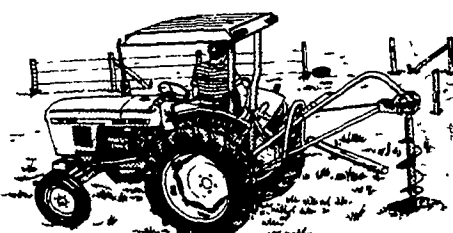
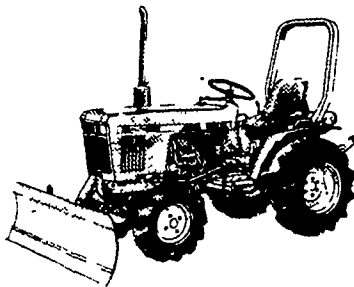
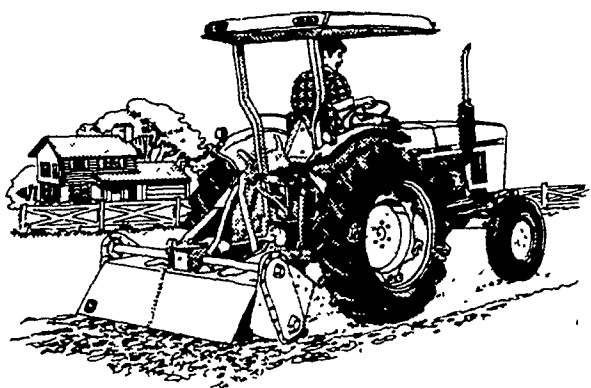
M.S. YEARSLEY & SONS
 West Chester, PA
 215-696-2990

SMITH'S IMPLEMENTS, INC.
 Mercersburg, PA
 717-328-2244

DON CHESKE BROTHERS, INC.
 Hackettstown, NJ
 201-852-4488

PARKHURST FARM SUPPLY
 Hammonton, NJ
 609-561-0960

Save finance costs now on a John Deere compact utility tractor



Buy a compact diesel tractor now, finance through John Deere, and no finance charges will accrue until March 1, 1982.

This money-saving offer applies to new 650, 750, 850, 950 and 1050 Tractors and the attachments sold for use with the tractor.

Put a compact John Deere diesel tractor to work around your place. You'll save on finance costs now...and you'll save time and hard work in the years ahead. Stop in soon.